

DEPARTMENT OF THE ARMY
US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
ABERDEEN PROVING GROUND, MD 21010-5403

PEST MANAGEMENT BULLETIN

The *Pest Management Bulletin*, a quarterly publication of the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) Entomological Sciences Program, is devoted to keeping installation pest management and preventive medicine personnel informed and up-to-date in the rapidly changing field of pest management.

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This Bulletin is designed to keep you informed. Therefore, your comments and suggestions are welcome. If you have a problem, a solution, or a personal observation about any aspect of pest management, please send it to us. Write to the following address: Commander, US Army Center for Health Promotion and Preventive Medicine, ATTN: MCHB-TS-OEN (*Pest Management Bulletin*), 5158 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5403, or call us at DSN 584-3773 or commercial (410) 436-3773.

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<http://chppm-www.apgea.army.mil/ento>

GAO REPORT ON IPM



The following is the abstract of the recent GAO Report on IPM.

Chemical pesticides play an important role in allowing Americans to enjoy an abundant and inexpensive food supply. However, these chemicals can have adverse effects on human health and the environment, and their long-term effectiveness will be increasingly limited as pests continue to develop resistance to them. Consequently, it has become clear that sustainable and effective agricultural pest management will require continued development and increased use of alternative pest management strategies such as integrated pest management (IPM). Some IPM practices yield significant environmental and economic benefits in certain crops, and IPM can lead to better long-term pest management than chemical control alone. However, the federal commitment to IPM has waned over the years. The IPM initiative is missing several management elements identified in the Government Performance and Results Act that are essential for successful implementation of any federal effort. Specifically, no one is effectively in charge of federal IPM efforts; coordination of IPM efforts is lacking among federal agencies and with the private sector; the intended results of these efforts have not been clearly articulated or prioritized; and methods for measuring IPM's environmental and economic results have not been developed. Until these shortcomings are effectively addressed, the full range of potential benefits that IPM can yield for producers, the public, and the environment is unlikely to be realized. (GAO-01-815, 8/17/01)

NO MORE CAUTION WARNING?



EPA expects to issue a final rule allowing registrants of pesticides in the toxicity 4 category to remove the signal word "caution" from the products' label.

This move is intended to dispel confusion among consumers trying to gauge the risks associated with these pesticides and with more toxic ones bearing the same signal word.

After the rule goes into effect, registrants would still have to file an application with the agency requesting permission to amend the label by removing the word. The removal of the label word for these products is voluntary. So, we may start to see products having no warning on the label. This may create confusion for inspectors who are not aware of this provision and may cause some problems with state regulations that do not automatically incorporate FIFRA changes by reference.

IT'S IN THE NEWS



Crews Remove Large Bee Hive

Channel 12 News, Phoenix, AZ

Crews are working to remove a massive beehive. Bee experts say the hive found in South Phoenix is one of the largest exposed colonies they've seen.

The bees were particularly aggressive when the removal began. Neighbors were warned to stay inside their homes as the crews worked to remove the hive.

APS workers first spotted the huge hive near 27th Avenue and South Mountain. It's five to six feet in length with 40,000 to 50,000-Africanized bees inside. Bees spend the winter re-populating, building their hive, and eating the honey supply they built in the summer and fall.

Experts sprayed calming agents and used smoke on the bees to keep them from swarming or becoming too active.

"I always tell people once a week walk around your property, perimeter boxes," says Derek Taylor of AAA Bee Removal Specialists. "Check meter boxes. Check around your eaves. Watch for bee activity going in and out of your structure somewhere. People can have something like this inside of their wall that they never really realize."

The sooner you catch the problem, the better. If you discover a hive and let it go until summer, the bees will become very aggressive, and honeycomb removal could be expensive because the hive will have grown and your walls may have to be torn down.

Never try to remove a colony yourself. Check the yellow pages for a state licensed bee removal company with experience in Africanized bees.

Scientists Roll Back on Agent Orange-Cancer Link

Wed Feb 27 21:55:12 2002 GMT

WASHINGTON (Reuters) - Scientists who advise the U.S. government rescinded a report on Wednesday that had linked Agent Orange, used to strip jungles during the Vietnam War, with childhood leukemia.

The revised Institute of Medicine report says there is not enough evidence to say whether children of Vietnam veterans have a higher risk of acute myelogenous leukemia (AML), a deadly blood cancer.

"On the whole, there is insufficient evidence at this time to determine whether a connection exists between AML in children and their parents' military service in Vietnam or Cambodia," Irva Hertz-Picciotto, a professor of epidemiology at the University of California Davis who chaired the panel, said in a statement.

Less than a year ago, in April 2001, the institute reported that there was a probable link between AML in children and their parents' exposure to Agent Orange, a herbicide that contains the known carcinogen dioxin, in Vietnam.

But a few months later, Australian researchers whose study was key to the institute's report said they had made substantial errors. After correcting for faulty data, the Australian study no longer showed that children of Australia's Vietnam veterans faced a greater risk of AML.

Secretary of Veterans Affairs Anthony Principi asked the institute, one of the National Academies of Sciences, to re-evaluate.

"The committee also considered new evidence from German and Norwegian studies of AML in the offspring of parents who had occupational exposure to pesticides," the institute said in a statement.

"Neither study found a significant difference in incidence from unexposed populations."

LEUKEMIA LINK STILL POSSIBLE

The report said it was possible that Agent Orange exposure did increase the risk of AML. "Studies of both U.S. and Australian veterans reported a slightly elevated incidence of the disease in offspring," the report said.

But the reports do not go into enough detail to be persuasive, the 10-member expert committee decided.

At least 9 million gallons of Agent Orange was sprayed on Vietnam between 1962 and 1970. The chemical got its nickname from the orange stripe on the barrels in which it came.

It has been linked with 10 diseases, including lung cancer, prostate cancer and diabetes.

Government officials estimate that between 500 and 1,000 children of Vietnam veterans have or had AML. The American Cancer Society projects that 2,700 children under the age of 15 were diagnosed with leukemia in 2001, about 700 of them AML.

Some studies have suggested that when mothers or fathers are exposed to pesticides, and perhaps when mothers are exposed to marijuana or ethanol during pregnancy, the child has a higher risk of AML.

Vietnam's government blames Agent Orange for causing tens of thousands of birth defects in Vietnam and has demanded compensation.

After Agent Orange was found to cause cancer in laboratory rats, the U.S. military suspended its use in 1970 and halted all herbicide spraying in Vietnam the following year.

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WEST NILE VIRUS UPDATE



The following is adapted from ProMED-mail

WEST NILE VIRUS, PREDICTED SPREAD IN 2002 - USA

West Nile virus, which has killed hundreds of thousands of crows and caused 16 human deaths in the USA since it appeared on this continent in 1999, is likely to spread to the Rocky Mountains or farther west this year, scientists say.

West Nile virus "mushroomed from 1999 to 2001," said entomologist Charles Apperson of North Carolina State University in Raleigh. Since it first appeared in New York City, it has been detected in more than 80 species of birds, 22 species of mosquito as well as in horses, bats, cats, rabbits, and other animals. It has been found in 27 states and the District of Columbia. "The message is that this virus is here to stay. There are going to be sporadic cases every year. Only a fraction of people who become infected even know it. For every patient who exhibits symptoms, there probably are 100 or 200 more who are infected but don't have symptoms," Apperson said.

The spread of West Nile virus, which has reached as far west as Missouri and Arkansas, mirrors bird migration patterns, says Robert McLean, director of the U.S. Geological Survey's National Wildlife Health Center. While the virus kills crows and jays by the thousands, it doesn't harm most species of migrating birds, which mingle in Mexico and Central America during the winter, then carry the virus back north and west in springtime. McLean predicts this year the birds will bring West Nile virus to Texas and the Rocky Mountains or "directly to the West Coast."

Source: USA Today, Tue 8 Jan 2002 [edited]

[Byline: Anita Manning]

DENGUE UPDATE



The following is adapted from ProMED-mail

Cuba: Hundreds Sick in Dengue Outbreak

Dengue fever has killed 2 people and stricken hundreds in Havana in recent months, President Fidel Castro said, despite an emergency campaign to contain the worst outbreak of the disease in Cuba in two decades. "By 28 Nov 2002, 1,601 cases had been reported in Havana. After that the situation became worse," Castro said during a 3-hour televised speech explaining what the government was doing to bring the epidemic under control. "Unfortunately 2 people have died, but no children," he said. He did not say how many new dengue cases were reported since November 2001.

Castro declared "war" against mosquitoes that transmit the disease 3 weeks ago, and the government launched a massive fumigation and clean-up drive in Havana, mobilizing thousands of construction workers, students, and community activists. Havana hospitals have created special wards to care for and isolate the sick. Workers move from house to house, fumigating buildings, tractors clear garbage from streets, and trucks spray insecticide in neighborhoods. Castro said the effort was paying off. "When we began there were 1,600 areas with large concentrations of mosquitoes, and at last count there were 221," he said. "There is no alternative; we must eradicate the mosquitoes altogether."

Dengue, which causes severe pain, fever, headaches, and nausea, normally passes after about a week. But patients have to be treated to avoid complications, especially with hemorrhagic dengue, which occurs from repeated exposure to different strains of the virus. While the disease is endemic throughout Latin America and the Caribbean, Cuba has had only few outbreaks. The last national dengue epidemic was in 1981, killing 158 people. In 1997 there was a local outbreak in the eastern city of Santiago de Cuba.

Indonesia: Dengue Fever Outbreak in North Sulawesi

In North Sulawesi the number of people hospitalized for dengue increased to 25 on Thu 10 Jan 2002, since the disease hit Manado, Bitung, and Minahasa on Tue 1 Jan 2002.

"There have been no fatalities," Nora Lumentut, the head of the eradication of contagious diseases at the provincial health office, said on Thu 10 Jan 2002. There were 21 patients on Wed 9 Jan 2002. Dengue fever has hit the 3 areas following the continuous rains in almost all areas in North Sulawesi. She added that 22 of the patients were children. She said, however, that the spread of dengue fever in the province was not serious. "We cannot say that the spread of the disease is out of the ordinary. The number of patients is increasing, but there have been no fatalities."

In a separate interview, Deetje Londa, spokesman for Manado's Malalayang General Hospital, where all dengue patients in Manado are being treated, said that the hospital had established a team to fight the disease, saying that the spread of the disease had been classified as significant, judging from the increasing number of patients.

Macao: 1000 cases of dengue in 2001

Preventing the spread of dengue fever will be a priority on the 2002 agenda of health service departments in China's Macao Special Administrative Region (SAR). The Health Service Bureau has revealed that, as of 30 Sep 2001, more than 1,000 local residents have been confirmed to be infected with the disease, which is believed to have been brought to Macao by travelers to south east Asian countries. Director Kui Kuok Ieng of the bureau told the press on Thu 17 Jan 2002 that Macao will step up efforts at mosquito eradication, as the dengue virus is transmitted only by a certain kind of mosquito that bites mainly

during the daytime. Kui said that his bureau will use more accurate apparatus to treat the disease and cooperate more closely with counterparts in neighboring countries and regions.

Brazil: Dengue Fever Outbreak Update as of Wed 6 Feb 2002

A bulletin from the Rio de Janeiro State Health Secretary dated 6 Feb 2002 gave an official total of 18 ,009 cases of dengue with 7 deaths in the state. But according to [unnamed] specialists, the number could be more than 90 ,000, since many sick people are not going to hospital and not all doctors are notifying cases.

The state government has purchased 3,125 hand-held gas-powered blowtorches for destroying mosquito eggs, since larvicides do not destroy eggs. But not all towns are using them, because of the risk of fire and also because the national health ministry does not recognize their use.

Venezuela: Dengue/DHF, Epidemic Activity Update

According to figures published by the Venezuelan Ministry of Health in its publication "Alerta", as of Sat 19 Jan 2002, 4,733 persons had contracted dengue fever. Although dengue hemorrhagic fever accounts for 10 percent of the cases, there have been no fatalities.

The official report confirms that the country continues to face an epidemic (as it did during most of 2001), and that the number of patients is higher than expected. The health authorities attribute this increase to factors such as the rationing of water, according to reports received from the individual states.

The epidemic is affecting at least 13 states (Bolívar, Cojedes, Guárico, Lara, Mérida, Miranda, Nueva Esparta, Portuguesa, Sucre, Táchira, Trujillo, Vargas, and Zulia), but it is Zulia that reports the largest number of cases: 831 in a single week, and 2125 cases during the first 20 days of the year. The west axis of the country is responsible for 64 percent of the total number of sick people in the whole country. A state of alarm persists in the Metropolitan District, as well as in Anzoátegui, Aragua, Barinas, Carabobo, Monagas, and Yaracuy. However, "Alerta" states that the review of the last 11 epidemiological weeks indicates a general tendency towards a decrease in the number of cases.

The document from the Ministry also states that the under 15-age group is the most affected (54 percent).

Malaysia: Dengue Fever Suspected Cause of Outbreak in Housing Estate

Some 3,000 residents in Taman Seri Kemuning here are living in fear after 2 of their neighbors died while another 39 were admitted to the Mentakab Hospital for suspected dengue fever. The housing estate's Rukun Tetangga committee chairman, Shawal Ibrahim, stated that to date 2 people had died. They were a housewife in her 20s who

died on 2 Jan 2002, and an unidentified man who died on 25 Jan 2002. "There are at least another 39 people admitted to the Mentakab Hospital for treatment but we have yet to ascertain the actual number. We suspect that the 2 residents who have died and the others down with fever have got dengue fever but the actual cause is still yet to be known. "The hospital is not telling us anything although there have been many residents from the 15 blocks of flats in the housing area going to the hospital to seek treatment for fever," he said. According to Shawal, the residents first started to suffer from fever sometime in early December 2001.

PHASE-OUT OF ARSENICAL BASED PESTICIDES



Use of Arsenic in Wood Products to End

By Eric Pianin

Chemical and home-improvement industry executives agreed yesterday to a two-year phase-out of the use of an arsenic-based preservative in pressure-treated wood that is widely used for fences, decks, playground equipment and boardwalks in homes and on playgrounds throughout the country.

Arsenic is a known human carcinogen, and the Environmental Protection Agency is conducting a study to determine whether children who repeatedly come in contact with the preservative -- known as chromated copper arsenate or CCA -- face a heightened risk of developing cancer of the lungs, bladder or skin, as some environmental and consumer groups contend.

Home Depot, Loews and other building supply stores and manufacturers of lumber treated with the chemical are defendants in class action suits alleging they failed adequately to inform consumers of the health risks posed by the lumber.

In announcing the agreement, EPA Administrator Christine Todd Whitman said that "it will ensure that future exposures to arsenic are minimized in residential areas," adding that "the companies deserve credit for coming forward in a voluntary way to undergo a conversion and retooling of their plants as quickly as possible."

EPA and industry officials who negotiated the agreement said that there is no conclusive evidence that CCA-treated wood poses unreasonable health risks to the public. But industry officials acknowledged yesterday that mounting consumer demands for a safer alternative wood preservative that doesn't include arsenic had forced their hand.

"Basically, we did it for market reasons," said John Taylor, vice president of Osmose Inc., one of the three chemical manufacturers that agreed to discontinue production of CCA within 22 months.

Under the agreement, Osmose, Arch Wood Protection Inc. and Chemical Specialties Inc. will gradually reduce their production of CCA to give the estimated 350 wood treatment plants throughout the country time to retool and begin using alternative wood preservatives. The arsenic had been used because it helps prevent rot and kill damaging insects.

The agreement applies to treated wood products used for homes and playgrounds, but will not affect production of wood used for utility poles, guard rails and other commercial applications.

Environmental groups generally praised the companies' decision, but urged companies to stop selling the lumber before the end of 2003. "This product should never have been put on the market in the first place," said Richard Wiles, an Environmental Working Group senior vice president. "It represents the chemical industry at its absolute worst."

Jay Feldman, executive director of the National Coalition Against the Misuse of Pesticides, said the EPA should move to ban all hazardous wood preservatives, which he said have been linked to cancer, nervous system damage and birth defects. He said that yesterday's agreement fails to address the major public health problem posed by the continued presence of CCA in wood products in millions of homes and in parks and recreation areas.

The EPA officials said they intend to move ahead with a risk assessment of CCA begun last spring, at the height of public concerns over levels of arsenic in drinking water and commercial products. However, while stressing that people should take precautions such as washing their hands after coming into contact with CCA-laced wood and never placing food directly on a deck or table surface, the EPA said it "does not believe" there is any reason to remove or replace CCA-treated structures."

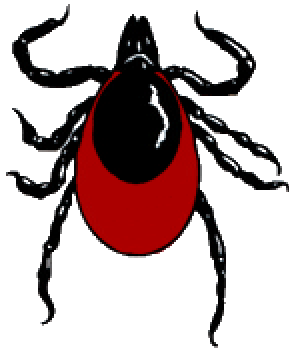
"Let there be no mistake, we absolutely stand by the safety of wood products treated with EPA-approved preservatives, including CCA," said Parker Brugge, executive director of the Treated Wood Council, an industry group. "We also continue to support rigorous scientific research, which has consistently upheld the safety of CCA-treated wood when used as recommended."

Stephen Johnson, head of EPA's Office of Prevention, Pesticides and Toxic Substances, noted that it would have taken the government as long as five years to conclude the review and take appropriate action to remove CCA from the market if the three manufacturers hadn't voluntarily agreed to the two-year phase-out.

"This cuts the time in half," Johnson said.

The elimination of CCA-treated lumber will dramatically reshape the \$4 billion a year pressure-treated wood industry and force companies to spend millions of dollars revamping their factories.

LYME DISEASE



Lyme Disease Cases Jump to Record Level - CDC

Thu Jan 17 19:16:23 2002 GMT

ATLANTA (Reuters) - The number of cases of **Lyme** disease, a tick-borne infection that can cause arthritis in humans, has reached a record level in the United States, federal health experts said on Thursday.

The Centers for Disease Control and Prevention, which has launched education and disinfection programs to combat the emerging disease, said it suspected people were being exposed more often to ticks and that tick populations were becoming more dense and widely distributed.

"Both of these factors in addition to better reporting has probably led to the increased reported cases," said Stacie Marshall, an epidemiologist with the CDC's Division of Vector-Borne Infectious Diseases in Fort Collins, Colorado.

The Atlanta-based agency reported 17,730 cases in 2000, the latest year for which data was available. The figure represented an 8-percent increase from 1999 and was well above the average of 12,745 cases reported annually since 1991.

Lyme disease, which is spread to humans by tick bites, causes flu-like symptoms and a rash in its early stages. But, if untreated, it can spread to the brain, heart and joints, causing chronic arthritis and other symptoms.

It is usually treated with antibiotics.

EMERGED TWO DECADES AGO

More than 130,000 cases have been reported in the United States since the disease emerged in the early 1980s.

The CDC said most cases in 2000 were reported in Northeastern, Mid-Atlantic and North-central states. New York, Connecticut and New Jersey had the highest number of reported cases.

Connecticut, however, led the nation in incidence of Lyme disease, with 110.8 cases reported per 100,000 people. The CDC hopes to lower the incidence of the disease in states where it is endemic to 9.7 cases per 100,000 by 2010.

The agency is currently working on prevention projects with state and local officials to reduce tick populations in Connecticut, Massachusetts, New Jersey and New York, four states with high rates of the disease.

New strategies to prevent its spread include applying tick-killing devices to animals such as white-tailed deer and rodents. The CDC also said landscape-modification programs were being developed to reduce deer numbers around homes.

Most cases of Lyme disease arise from tick exposures in late spring and early summer. The CDC said children between the ages of 5 and 9 and adults between the ages 50 and 59 were at highest risk for contracting the disease.

The CDC noted that avoidance of tick-infested areas, use of insect repellents, prompt removal of attached ticks and appropriate vaccination had been shown to help prevent infection.

A vaccine licensed in 1998 is believed to be 76-percent effective in preventing the disease in people who received three doses.

Although some people claim that they became sick with arthritis-like symptoms after being vaccinated against Lyme disease, the CDC said it had seen no scientific basis to back up such reports.

The CDC says the vaccine should be considered for persons between the ages of 15 and 70 who live, work or engage in recreational activities in areas of higher or moderate risk of contracting the disease.

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(Ed. note: On 25 February 2002, GlaxoSmithKline, the manufacturer of, Lymerix, the nation's only Lyme disease vaccine, pulled it off the market. Citing poor sales, and projections that fewer than 10,000 people would seek vaccination this year, the manufacturer decided that it did not make financial sense to keep selling the vaccine.

COURSES FOR DOD CERTIFICATION

[Appendix A](#) lists the DoD certification and re-certification classes being offered. If you are interested in any of these courses, please contact the referenced POCs.

Visit: <http://www.afpmb.org/pubs/courses/courses.htm>



UPCOMING EVENTS



For additional meetings, please visit these sites:

[Other meetings from Colorado State WWW](#)

[Other meetings from Pest Control Technology Online](#)

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[February](#), [March](#), [April](#), [May](#), [June](#), [July](#), [August](#), [September](#), October, [November](#),
[December](#)

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January, February, March, April, May, June, July, August, September, [October](#),
[November](#), December

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January, February, March, April, May, June, [July](#), [August](#), September, October,
[November](#), December

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MARCH

3 March - 6 March 2002. **Southeastern Branch, Entomological Society of America**, Double Tree Hotel, Little Rock, AR. Contact: Gus Lorenz, 501-671-2191, glorenz@uaex.edu.

4 March - 9 March 2002. **20th Vertebrate Pest Conference**, Reno, NV. Contact: 707-565-2371.

10 March - 12 March 2002. **Eastern Branch, Entomological Society of America 73rd Annual Meeting**, Carousel Beachfront Hotel and Suites, Ocean City, MD. Contact: Roger Youngman, 540-231-9118, youngman@vt.edu

12 - 15 March 2002. **New Jersey Mosquito Control Association Meeting**, Trump Marina Hotel, Atlantic City, NJ. Contact: Dr. Wayne Crans, Secretary, (732) 932-9341 or crans@aesop.rutgers.edu

13 March - 15 March 2002. **PCT Rodent Management Summit**, Courtyard Marriott Downtown, Chicago, IL. Contact: Maria Miller, 800-456-0707.

14 - 16 March 2002. **2nd Annual European Mosquito Control Association Workshop**, Bologna, Italy. Contact: www.emcaworkshop2002.org

18 March - 22 March 2002. **The International Symposium on Pest Risk Analysis**, organized by North American Plant Protection Organization, Puerto Vallarta, Mexico. Contact: http://www.nappo.org/PRA-Symposium/PRAsymposium_Eng.shtml

22 - 23 March 2002. **Meeting to review 2001 West Nile virus surveillance data**, Hyatt Regency, Atlanta, GA. Contact: Hyatt Regency Hotel, (404) 577-1234.

24 March - 26 March 2002. **INTERNATIONAL IPM CONFERENCE**, Toronto, CANADA. Contact: M.E. Appleby, OMAFRA, 95 Dundas St., R.R.#3 Brighton, ONT K0K 1H0, CANADA. E-mail: <margaret.appleby@omafra.gov.on.ca>. Fax: 1-613-475-3835. Phone: 1-613-475-5850.

24 March - 27 March 2002. **North Central Branch, Entomological Society of America**, Kellogg Hotel and Conference Center, East Lansing, MI. Contact: Chris DiFonzo, 517-353-5328, difonzo@pilot.msu.edu.

24 - 27 March 2002. **The International Conference on Emerging Infectious Diseases (ICEID)**, Hyatt Regency, Atlanta, GA. Contact: Hyatt Regency Hotel, (404) 577-1234.

APRIL

2 April - 5 April 2001. **169th Meeting of the Armed Forces Pest Management Board**, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC. Contact: LTC Richard Johnson, (301) 295-7476 (DSN 295) or e-mail richard.johnson@osd.mil.

3 April - 5 April 2002. **The Society for Veterinary Epidemiology and Preventive Medicine Annual Conference**, Robinson College, Cambridge, England. Contact: Alasdair JC Cook, +44 (0)1932 357997 or e-mail a.j.cook@vla.maff.gsi.gov.uk

30 April - 1 May 2002. **Workshop on New Grass Germplasms and Invasive Weed Control**, Fort Carson and United State Air Force Academy, Colorado Springs, CO. Contact: Antonio J. Palazzo, 603-646-4374 or e-mail antonio.j.palazzo@erdc.usace.army.mil.

MAY

5 - 8 May 2002. **Annual Southeast Pest Management Conference**, University of Florida, Gainesville, FL. Contact: Website at <http://sepmc.ifas.ufl.edu/>

JUNE

13 June - 15 June 2002. **NPMA Academy 2002**, Westin La Paloma, Tucson, AZ.
Contact: NPMA, 800-678-6722.

16 June - 19 June 2002. **Pacific Branch, Entomological Society of America**, Harrah's Lake Tahoe Resort, Lake Tahoe, NV. Contact: Kurt Volker, 509-966-1081,
kurt.volker@agna.zeneca.com

16 - 30 June, 2002. **A course in the Biology of Disease Vectors**, Colorado State University Arthropod-borne and Infectious Disease Laboratory. Contact: www.scisite.com/bdv or Dr. Nancy Duteau (970) 491-8505.

18 June - 20 June 2002. **FPMA Annual Convention and Exposition**, Coronado Springs Hotel (Disney World), Orlando, FL. Contact: FPMA 407-293-8627.

JULY

7 July - 10 July 2002. **4th International Conference on Urban Pests**, Charleston, SC.
Contact: ICUP webpage at <http://entweb.clemson.edu/urban/ICUP2002.htm>

8 July - 12 July 2002. **International Conference on Pesticide Exposure and Health**, NIH Natcher Center, Bethesda, MD. Contact: 703-556-9222

14 July - 18 July 2002. **5th Conference Internationale Francophone d'Entomologie**, University of Quebec, Montreal, Canada. Contact: <http://www.seq.qc.ca/>

22 July - 26 July 2002. **5th International Conference of Hymenopterists**, Friendship Hotel, Beijing, China. Contact: sea@panda.ioz.ac.cn or visit the website at <http://www.ioz.ac.cn/zcd/>

25 - 27 July 2002. **NPMA Mid-Atlantic Conference**, Williamsburg Lodge, Williamsburg, VA. Contact: NPMA, 800-678-6722. (NOTE: This was previously listed as 1 - 2 August 2002)

AUGUST

SEPTEMBER

8 September - 12 September 2002. **Whitmire Micro-Gen Institute of Technology Conference**, Marriott Eaton Centre, Toronto, Canada. Contact: 800-456-0707

8 September - 13 September 2002. **11th INTERNATIONAL CONGRESS OF ACAROLGY**, Merida, MEXICO. Contact: J.B. Morales-Malacara, XI ICA Secretary, Lab. de Acarologia, Dept. de Biologia, Fac. de Ciencias, Univ. Nacional Autonoma de

Mexico, Coyoacan 04510 DF, MEXICO. E-mail: JBMM@hp.fciencias.unam.mx. Fax: 52-5-622-4828. Phone: 52-5-622-4923.

12 September - 13 September 2002. **ROYAL ENTOMOLOGICAL SOC. ANNUAL MEETING**, Cardiff, UK. Contact: H. Jones, Jonesth@cardiff.ac.uk

29 September - 5 October 2002. **5th International Congress of Dipterology, Brisbane**, Australia. Contact: <http://www.uq.edu/entomology/dipterol/diptconf.html>.

OCTOBER

16 - 19 October 2002. **Pest Management '02**, Opryland Florida, Orlando, FL. Contact: NPMA, 800-678-6722 or visit www.pestworld.com

NOVEMBER

10 - 14 November 2002. **American Society of Tropical Medicine and Hygiene 51st Annual Meeting**, Adam's Mark Hotel, Denver, CO. Contact: ASSTMH website at www.astmh.org

17 - November - 21 November 2002. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING**, Fort Lauderdale, FL. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-3115, USA. Fax: 1-301-731-4538. Phone: 1-301-731-4535. E-mail: esa@entsoc.org. Website: www.entsoc.org

DECEMBER

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OCTOBER

26 October - 30 October 2003. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING**, Cincinnati, OH, USA. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-3115, USA. E-mail: <esa@entsoc.org>. Fax: 1-301-731-4538. Website: <www.entsoc.org>. Phone: 1-301-731-4535.

NOVEMBER

November * **BRIGHTON CROP PROTECTION CONFERENCE 2003**, Brighton, UK. Contact: The Event Organization, 8 Cotswold Mews, Battersea Square, London SW11 3RA, UK. E-mail: <eventorg@event-org.com>. Fax: 44-171-924-1790. Website: <www.BCPC.org>.

No date **ANNUAL MEETING, SOCIETY OF NEMATOLOGISTS**, Ithaca, NY, USA. Contact: W. Brodie, USDA-ARS, Dept. of Plant Path., 334 Plant Science, Cornell Univ., Ithaca, NY 14853, USA. E-mail: <BBB2@cornell.edu>. Fax: 1-607-255-4471. Phone: 1-607-272-3745.

* * * * 2004 * * * *

JULY

24 July - 28 July 2004. **AMERICAN PHYTOPATHOLOGICAL SOCIETY ANNUAL MEETING**, Spokane, WA, USA. Contact: APS, 3340 Pilot Knob Road, St. Paul, MN 55121-2097, USA. E-mail: <aps@scisoc.org>. Fax: 1-612-454-0766. Website: www.scisoc.org

AUGUST

15 August - 21 August 2004. **22nd International Congress of Entomology**, Brisbane, Australia. Contact: <http://www.ice2004.org>

NOVEMBER

7 November - 11 November 2004. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING** Salt Lake City, UT, USA. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-3115, USA. Fax: 1-301-731-4538. E-mail: <esa@entsoc.org>. Website: <www.entsoc.org>.

DOD STOCK LISTED PESTICIDES

The updated list of DoD Stock-listed pesticides can be found in [Appendix B](#). Please note that changes are listed in bold. The most current list can always be found on the AFPMB web page at: <http://www.afpmb.org/standardlists.htm>



DOD EQUIPMENT LIST

[Appendix C](#) lists the DoD Pest Management Material Other Than Pesticides. The most current list can always be found on the AFPMB website at: <http://www.afpmb.org/standardlists.htm>



DOD CONTINGENCY PESTICIDE LIST

[Appendix D](#) lists the DoD Contingency Pesticides. The most current list can always be found on the AFPMB website at:

<http://www.afpmb.org/standardlists.htm>



ON THE LIGHTER SIDE

Church Bulletin Snafu's



Ladies Bible Study will be held Thursday morning at 10. All ladies are invited to lunch in the Fellowship Hall after the B.S. is done. The pastor would appreciate it if the ladies of the congregation would lend him their electric girdles for the pancake breakfast next Sunday morning.

The pastor will preach his farewell message, after which the choir will sing, "Break Forth Into Joy."

Remember in prayer the many who are sick of our church and community.

The eighth graders will be presenting Shakespeare's Hamlet in the church basement Friday at 7 p.m. The congregation is invited to attend this tragedy.

Thursday night Potluck Supper. Prayer and medication to follow.

A bean supper will be held on Tuesday evening in the church hall. Music will follow.

Weight Watchers will meet at 7 p.m. at the First Presbyterian Church. Please use large double door at the side entrance.

Tuesday at 4 PM there will be an ice cream social. All ladies giving milk will please come early.

The Lutheran Men's group will meet at 6 PM. Steak, mashed potatoes, green beans, bread and dessert will be served for a nominal fee.

Don't let worry kill you, let the church help.

This being Easter Sunday, we will ask Mrs. Lewis to come forward and lay an egg on the altar.

Thursday at 5:00 pm there will be a meeting of the Little Mothers Club. All wishing to become little mothers, please see the minister in his study.

Irving Benson and Jessie Carter were married on October 24 in the church. So ends a friendship that began in their school days.

Bertha Belch, a missionary from Africa will be speaking tonight at Calvary Memorial Church in Racine. Come tonight and hear Bertha Belch all the way from Africa.

The ladies of the church have cast off clothing of every kind and they may be seen in the church basement Friday.

Announcement in the church bulletin for a National PRAYER & FASTING Conference: "The cost for attending the Fasting and Prayer conference includes meals."

Miss Charlene Mason sang "I will not pass this way again" giving obvious pleasure to the congregation.

Next Sunday is the family hay ride and bonfire at the Fowlers'. Bring your own hot dogs and guns. Friends are welcome! Everyone come for a fun time.

During the absence of our Pastor, we enjoyed the rare privilege of hearing a good sermon when J.F. Stubbs supplied our pulpit.

The church will host an evening of fine dining, superb entertainment, and gracious hospitality.

This evening at 7 P.M. there will be a hymn sing in the park across from the Church. Bring a blanket and come prepared to sin.

"Ladies, don't forget the rummage sale. It's a chance to get rid of those things not worth keeping around the house. Don't forget your husbands."

APPENDIX A
Courses for DoD Certification

DoD Pest Management Courses

If you see any information that needs to be corrected or updated, please contact Capt (Sel) Jessica Finkelstein, who can be reached at Tel: (301) 295-8310, DSN Prefix 295 or E-mail: <jessica.finkelstein@osd.mil>.

ARMY SPONSORED COURSES

1. For information on the following courses, contact SSG Kerry McKinley, Academy of Health Sciences, U.S. Army, ATTN: MCCS-HPM, Fort Sam Houston, TX 78234-6100, Tel: (210) 221-6801/6733, DSN Prefix 471, E-mail: <kerry.mckinley@amedd.army.mil>. Classes are conducted at Fort Sam Houston, TX.

Pest Management Certification Course (6H-F12/322-F12):

JAN 7 - JAN 25, 2002

MAR 18 - APR 5, 2002

JUN 3 - JUN 21, 2002

JUL 22 - AUG 9, 2002

Recertification (6H-F13/322-F13)

FEB 4 - FEB 8, 2002

FEB 25 - MAR 1, 2002

JUL 15 - JUL 19, 2002

SEP 9 - SEP 13, 2002

MAY 13 - MAY 17, 2002 (JAPAN)

2. For information on courses in Germany, contact CPT(P) Dwight Rickard, USACHPPM-EUR, CMR 402, APO AE 09180, Tel: 49-6371-86-8540/44, DSN: 486-8544. Classes are conducted at the USACHPPM-EUR, Landstuhl, Germany.

3. For information on courses taught at the Environmental Training Center, contact Ms. Gail Boeff, ATTN: ATZR-BT, Fort Sill, OK 73503-5100, Tel: (580) 442-2111, Fax: (580) 442-5722, DSN Prefix 639. The Environmental Training Center at Fort Sill, OK, conducts a variety of environmental, natural resources and occupational health courses.

NAVY SPONSORED COURSES

1. For information on the following courses, contact HM2 Whalen, NDVECC, Naval Air Station Jacksonville, Box 43, Jacksonville, Florida 32212, Tel: (904) 542-2424 ext 3029, Fax: (904)

542-4324, DSN Prefix 942. Unless noted otherwise, classes are conducted at the Disease Vector Ecology and Control Center, NAS Jacksonville, Jacksonville, FL.

Pesticide Applicator Training (Core) (B-322-1070), Instruction for Initial Certification:

MAR 4 - 11, 2002

SEP 9 - 16, 2002

Plant Pest and Vegetation Management (B-322-1071), Initial Certification for Categories 2, 3, 5 & 6:

MAR 12 - 15, 2002

SEP 17 - 20, 2002

Arthropod and Vertebrate Pest Management (B-322-1072), Initial Certification for Categories 7 & 8:

MAR 18 - 27, 2002

SEP 23 - OCT 2, 2002

Recertification (B-322-1074)

APR 9 - 10, 2002

NOV 5 - 6, 2002

Operational Entomology Training (B-322-1077), designed for A/D & Reserve PMTs, EHOs, Entomologists, Epidemiologists & others assigned to PM units:

MAY 6 - 17, 2002

OCT 14 - 25, 2002

Medical Entomology and Pest Management Technology (Reserve Training) (B-322-1050):

FEB 4 - FEB 15, 2002

JUN 3 - JUN 14, 2002

JUL 8 - JUL 19, 2002

2. For information on the following courses, contact HM1(SW) Compton, NDVECC, 19950 Seventh Ave., NE, Suite 201, Poulsbo, WA 98370-7405, Tel: (360) 315-4450, Fax: 4455, DSN Prefix 322, E-mail: <postmaster@ndvecc.navy.mil>. Unless otherwise noted, classes are conducted at the Navy Disease Vector Ecology and Control Center, Bangor, WA.

Pesticide Applicator Training (Core) (B-322-1070), Instruction for Initial Certification:

FEB 11 - FEB 21, 2002 (Pearl Harbor, HI)

SEP 9 - SEP 16, 2002

Plant Pest and Vegetation Management (B-322-1071), Initial Certification for Categories 2, 3, 5 & 6:

FEB 21 - FEB 26, 2002 (Pearl Harbor, HI)

SEP 17 - SEP 20, 2002

Arthropod and Vertebrate Pest Management (B-322-1072), Initial Certification for Categories 7 & 8:

FEB 26 - MAR 4, 2002 (Pearl Harbor, HI)
SEP 23 - OCT 2, 2002

Recertification Course (B-322-1074), Category 8:
APR 29 - MAY 2, 2002 (NEPMU-5 San Diego)
JUN 04 - JUN 7, 2002
OCT 22 - OCT 25, 2002

Operational Entomology Training (B-322-1077), Recertification in DoD Category 8 is available as part of the course. Note: Reservists who have attended CIN: B-322-1050 and whose certification has not expired may attend this course.
MAR 5 - MAR 14, 2002 (Pearl Harbor, HI)

Shipboard Pest Management (B-322-1075): NDVECC(B)
JAN 16, 2002
MAR 20, 2002
MAY 15, 2002
JUN 12, 2002*
AUG 28, 2002
OCT 9, 2002*
OCT 16, 2002
DEC 11, 2002
* Ingleside, TX

AIR FORCE SPONSORED COURSES

1. For information on the following courses, contact Ms. Haris Georges, 366 TRS/TRRT, 727 Missile Road, Sheppard AFB, TX 76311-2254, DSN: 736-3538, Fax: 736-3345. Classes are conducted at Sheppard AFB, TX. Quotas are obtained through the Unit or MAJCOM Training Managers.

Pest Management Certification - J3AZR3E453-003 is a four-week training course that meets the basic requirement for initial certification training under DoD 4150.7-M, Plan for Certification of Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores satisfies the formal training and testing requirement for initial certification in the core phase of pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6, Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. This course DOES NOT satisfy the OJT and correspondence course requirements for certification. All DoD personnel who have held DoD certification in one or more pest control categories but cannot meet the requirements for triennial recertification, according to DoD 4150.7-M, are eligible to attend. Personnel who possess current certification are NOT eligible to attend this course.

FEB 4 - MAR 4, 2002
APR 1 - APR 26, 2002
JUL 8 - AUG 2, 2002

Pest Management Recertification - J3ARR3E453-002 is a one week course that meets the basic requirements for recertification training under DoD 4150.7-M, Plan for Certification of Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores satisfies the formal training requirements for recertification in the core phase of pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6, Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. Students are allowed to return to duty after testing in only the core phase and in the categories in which they hold initial certification. Only DoD personnel who require triennial recertification to apply restricted use pesticides are eligible to attend. Personnel should be within one year of expiration of their DD Form 1826.

JAN 14 - JAN 18, 2002

MAR 4 - MAR 8, 2002

APR 29 - MAY 3, 2002

JUN 3 - JUN 7, 2002

SEP 9 - SEP 13, 2002

2. For information on the following course, contact Capt Armando Rosales, USAF School of Aerospace Medicine, Brooks AFB, TX 78235-5123, Tel: (210) 536-3734, DSN Prefix 240, e-mail: <armando.rosales@brooks.af.mil>. Information is also available on the WWW at: <<http://wwwsam.brooks.af.mil/web/eh/html/bugs.htm>>.

Operational Entomology Course (OEC) - #B30ZY43M3-000 is a two-week training course that builds individual capabilities to perform surveillance and control for disease vectors that significantly impact military missions during war or operations other than war. Emphasis is placed on preventing vector-borne disease morbidity and mortality. Instruction includes vector biology, vector-borne disease, surveillance techniques, risk assessment, and control strategies. The OEC provides academic instruction, practical exercises, and field experience. Additional details can be obtained from the USAFSAM/PH Web page at: <<http://wwwsam.brooks.af.mil/web/eh/entomology/usafento.htm>>.

The OEC is evaluated for 64 CME credits for officers and four CCAF credits in biology for enlisted personnel. Prerequisites: Students must fully qualify for worldwide deployment and have no medical condition limiting full participation in the field portion of the course. The course is open to active duty, ANG, and AFRC personnel with AFSCs of 4E0X1, 4S0X1 (SEI 496), 3E4X3, 43H3, 43M3, 48A3, and 48P3, or their DoD equivalents, and other personnel with consent of the faculty. Priority is given to active duty personnel assigned to mobility positions or from installations with a high risk of vector-borne disease. Enlisted personnel must be E-4 or higher. Officers must be fully qualified in their AFSC and have a minimum of one year of service. ECL 80 SA.

Special Requirements: The uniform for military students is BDUs, coveralls for civilians. Individuals allergic to bee stings or other venomous arthropods should bring an anaphylaxis emergency kit. The training office or student must provide the Course Supervisor, DSN 240-3734, with a telephone contact for the student.

JUN 3 - JUN 14, 2002

AUG 5 - AUG 16, 2002

SEP 9 - SEP 20, 2002

3. For information on the following courses, contact Ms. June Brewer, 757 AS/DOS, Youngstown Air Reserve Station, 3976 King Graves Rd Unit 32, Vienna OH 44473-5932, Tel: (330) 609-1111, DSN 346-1111, FAX (330) 609-1616, DSN 346-1616, e-mail <June.Brewer@youngstown.af.mil>. Information is also available on the WWW at: <[http://www.afrc.af.mil/units/910aw/aerial-spray\(PUBLIC\)/AERIALSPRAY/index.htm](http://www.afrc.af.mil/units/910aw/aerial-spray(PUBLIC)/AERIALSPRAY/index.htm)>.

Aerial Application of Pesticides (Certification) - #AAP-01 is a one-week course that addresses the tenets and methodologies for aerial application of pesticides, with an emphasis on operational aspects and military applications. The primary scope of the course includes general principles, legal aspects, contracts, map types and preparation, spray system calibrations, aerial spray math, DoD spray systems, meteorological effects, occupational health and safety, operations and mission support, disease control, pilot's view, private applicator's view, environmental aspects, computer modeling, swath and droplet characterization, pesticide monitoring, public relations, contingency wartime usage, spill prevention and containment, and other pertinent operational issues involving the use of aerial spray. The course features guest lecturers from the U.S. Army, U.S. Navy, U.S. Department of Agriculture, private applicator firms, and other government agencies. It is offered once each year.

MAY 6 - MAY 10, 2002

The next Aerial Application Pest Control Course will be held 6 - 10 May 2002 at Youngstown Air Reserve Station, Vienna OH. If you or your installation contacts desire to attend, fill out the attached [form](#) and send it to June Brewer at the fax number or address given below. Once June receives the form she will send out a Student Information Package and map. There is currently no course fee. If you have any questions call June at the above contacts.

APPENDIX B DoD Stock Listed Pesticides

This list contains pesticides that the Armed Forces Pest Management Board (AFPMB) has approved for DLA/DSCR stockage. DoD policy (DoD Instruction 4150.7) requires that the use of most of these pesticides whether procured from DLA or locally, must be pre-approved by a professional pest management consultant. This is usually done when the consultant approves the Installation's pest management plan. DoD policy also requires that only trained and certified applicators may apply pesticides on DoD installations. Only authorized personnel should procure and use these pesticides. Note: For Contingencies, see the Contingency Pesticide List and AFPMB Technical Information Memorandum 24.

NSN 6840-	Item (Alternative Trade Name)	Unit Package	AAC *	Price	Unit Issue	Users
00-063-3981	Algaecide, Copper Sulfate, 80.16% pentahydrate, crystal (Cuprose)	50-lb bag	L	-----	BG	A, F
00-282-0971	Fungicide, Wood Preservative, copper naphthenate mixture (COP -R-NAP)	5-gal co	D	179.71	CO	A, N, F, M
01-209-6298	Fungicide, Wood Preservative, copper naphthenate mixture (COP -R-NAP RTU)	5-gal co	L	-----	CO	A, N
01-360-4741	Fungicide, Methylisothiocyanate (MITC-FUME) *** RESTRICTED USE PESTICIDE ***	18 tubes	L	-----	CO	A, N, F, M
01-457-6588	Fungicide, Methyl Azoxystrobin, 50% (Heritage)	(6) 1 - lb. cont.	J	2100.00	BX	A, N, F, M
00-392-7593	Herbicide, Bromacil, 21.9% lithium salt of bromacil, liquid (Hyvar X-L)	(2) 2.5-gal co	D	317.22	BX	A, N, F, M
01-408-9079	Herbicide, Bromacil, 40.8%, wettable powder (Hyvar X)	(12) 4-lb bags	H	1188.33	BX	A, N, F, M
01-005-7523	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	1-gal co	D	117.39	GL	F
00-815-2799	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	(2) 2.5-gal co	J	606.31	BX	A, N, F
01-341-9346	Herbicide, Diuron, minimum 80% diuron, granular	25-lb bag	Z	121.15	BG	A, N, F
00-001-7710	Herbicide, Diuron-Bromacil mixture, 40% bromacil, 40% diuron, granular (Krovar I DF)	6-lb bag	D	77.41	BG	A, N, F
01-108-9578	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	(2) 2.5-gal co	D	283.41	BX	A, N, F
01-388-0142	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	30-gal drum	J	1535.22	DR	A, N, F
01-356-8893	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Rodeo)	(2) 2.5-gal co	D	621.13	BX	A, N, F, M
01-377-7113	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Ready-to-Use)	24-oz pump spray bottle	D	5.12	BT	F
01-399-0673	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Pro Dry)	5 pkg.	D	57.20	BX	A, N, F, M
01-356-8902	Herbicide, Isopropylamine salt of imazapyr, 27.6% (Arsenal)	(2) 2.5-gal co	D	1602.59	BX	A, N, F, M
01-318-7417	Herbicide, Oryzalin, 40% (Sulflam A.S.)	1-gal bot	L	-----	GL	A, N, F, M
00-145-0013	Herbicide, Prometone, 25% prometone, emulsifiable concentrate (Pramitol 25E)	5-gal can	D	96.42	CN	A, F
01-356-8891	Herbicide, Methyl Sulfometuron, 75% (Oust XP)	48-oz co	H	659.30	CO	A, N, F, M
01-319-2890	Herbicide, Tebuthiuron (Spike 80W)	4-lb bag	L	-----	BG	A, N, F, M
01-457-6576	Herbicide, Tebuthiuron-Diuron, 1% Tebuthiuron, 3% Diuron (Spraykil SK-13)	40 lb. container	D	92.66	CO	A, N, F, M
00-577-4194	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), oil miscible/water emusifiable liquid (low volatile ester form)	(2) 2.5-gal co	Z	105.06	BX	A, N, F, M
00-664-7060	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), water soluble liquid (amine salt form)	(2) 2.5-gal co	Z	130.88	BX	A, N, F, M

01-377-7110	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), 0.4%, water soluble liquid (amine salt form) (Weed-B-Gon)	24-oz pump spray bottle	D	6.01	BT	F
00-753-4963	Insect Repellent, clothing application, 75% DEET, 25% ethanol	2-oz bottle	V	1.31	BT	A, N, F, M
01-278-1336	Insect Repellent, clothing application, aerosol (Permethrin Arthropod Repellent)	(12) 6-oz cans	D	37.20	BX	A, N, F, M
01-284-3982	Insect Repellent, personal application, (3M/EPA 58007-1)	(12) 2-oz tubes	D	56.19	BX	A, N, F, M
01-334-2666	Insect Repellent, clothing application, 40% permethrin, liquid (2-Gal sprayer)	(12) 151-ml bot	D	180.62	BX	A, N, F, M
01-137-8456	Insect Repellent, personal application, 3% benzocaine, 10% precipitated sulfur (Chigg-Away)	188-ml bot	D	2.79	BT	A, N, F, M
01-288-2188	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	(12) 2-oz tubes	D	46.75	BX	A, N, F
01-452-9582	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	320 packets	D	322.40	BX	A, N
01-345-0237	Insect Repellent, clothing application, permethrin (IDA)	12 kits	D	46.58	BX	A, N, F, M
00-142-8965	Insect Repellent, personal application, 30% DEET (Cutter Repellent Stick)	(12) 1-oz sticks	D	30.13	BX	A, N, F
00-145-0016	Insecticide, Aluminum phosphide, 55 % tablets (Phostoxin/Fumitoxin) *** RESTRICTED USE PESTICIDE ***	100 tablets	D	16.28	CN	A, N, F
00-442-5698	Insecticide, Aluminum phosphide, 55 % tablets (Phostoxin/Fumitoxin) *** RESTRICTED USE PESTICIDE ***	1660 pellets	Z	26.31	BT	A, N, F
01-377-7049	Insecticide, <i>Bacillus thuringiensis</i> , 10% (Bactimos Briquets)	100 Briquets	D	70.50	BX	A, N, F, M
01-287-3938	Insecticide, Boric Acid, aerosol (Perma-Dust)	(12) 9 oz cans	D	60.49	BX	A, N, F
00-932-7297	Insecticide, Carbaryl, 80%, water dispersible powder (Sevin 80S)	(5) 10-lb bags	D	321.16	BX	A, N, F
01-104-0887	Insecticide, Carbaryl, 42.6%, liquid (Carbaryl 4L)	(2) 2.5-gal co	Z	155.58	BX	F
01-033-4481	Insecticide, Carbaryl, 5%, dust (Sevin 5% dust)	(12) 4-lb bags	D	156.17	BX	A, N, F
01-313-7359	Insecticide, Cyfluthrin (Tempo SC Ultra)	(12) 240-ml bot	D	415.49	BX	A, N, F, M
01-383-6251	Insecticide, Cyfluthrin (Tempo 20WP)	(288) 9.5-g pack	D	494.66	BX	A, N, F, M
01-390-4822	Insecticide, Cypermethrin (Demon WP)	1-lb jar	D	67.34	LB	A, N, F, M
01-431-3345	Insecticide, Deltamethrin (Delta Dust)	1-lb co	D	11.11	LB	A, N, F, M
00-782-3925	Insecticide, Diazinon, 47.5%, emulsifiable concentrate	1-gal can	D	38.84	GL	A, N, F, M
00-142-9438	Insecticide, Dichlorvos, 20% (plastic strips)	48 strips	D	175.29	BX	A, N, F, M
01-412-4634	Insecticide, D-Phenothrin, 2%, aerosol	12-oz can	D	6.20	CN	A, N, F, M
01-067-2137	Insecticide, D-trans Allethrin and Resmethrin, 0.15% and 0.2% minimum, respectively, aerosol (Kill Zone House & Garden Insect Killer Formula 3)	12-oz can	D	3.68	CN	A, N, F, M
01-183-7244	Insecticide, Fly Bait, 1% methomyl (Apache/Golden Malrin)	5-lb can	D	17.60	CN	A, N, F, M
01-287-3913	Insecticide, Hydramethylnon (Amdro Fire Ant Bait)	(24) 6-oz bot	L	-----	BX	A, N, F, M
01-398-6799	Insecticide, Hydramethylnon (Siege Gel Bait)	4-30 gm reservoirs	D	19.02	BX	A, N, F, M
01-424-2494	Insecticide, Fenoxycarb {Logic (Award Brand of Logic)}	25-lb bag	J	262.35	BG	A, N, F, M
01-224-1269	Insecticide, Fipronil, cockroach, large size (Combat Quick Kill)	8 bait stations/ box/ 12 boxes	D	89.47	PG	A, N, F, M
01-180-0167	Insecticide, Fipronil, cockroach, regular size (Combat Quick Kill)	12 bait stations/ box/ 12 boxes	D	82.44	PG	A, N, F, M
01-483-3065	Insecticide, Fipronil (Maxforce Roach Killer Bait Gel)	3-60 gram reservoirs PG/ 8 PG per box	J	244.58	BX	A, N, F, M
01-471-5650	Insecticide, Fipronil (Maxforce Roach Killer Bait Gel)	4-30 gram reservoirs/box	D	18.80	BX	A, N, F, M
01-298-1122	Insecticide, Fipronil (MaxForce Ant Bait)	96 stations	D	58.91	PG	A, N, F, M
01-483-3072	Insecticide, Fipronil (Termidor 80WG)	48 co/box	J	1680.00	BX	A, N, F, M

01-483-3068	Insecticide, Fipronil (Termidor SC)	4-78 oz BT/box	D	738.64	BX	A, NF, M
01-318-7416	Insecticide, Hydroprone, emulsifiable concentrate (Gentrol IGR)	(10) 1-oz bot	D	48.80	BX	A, N, F, M
01-457-6580	Insecticide, Imidacloprid, 5% granular (Merit 0.5 g)	30 lb. bag	J	50.00	BG	A, N, F, M
01-428-6646	Insecticide, Lambda-cyhalothrin, 9.7% (Demand CS)	(8) 8 oz bottle	D	280.68	BX	A, N, F, M
01-431-3357	Insecticide, Lamda-cyhalothrin (Demand Pesttab)	40 tablets	D	81.35	CO	A, N, F, M
00-655-9222	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class I	1-gal co	D	38.91	GL	A, N, F, M
00-685-5438	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class I	5-gal can	D	131.29	CN	A, N, F, M
00-926-1481	Insecticide, Malathion, 95%, liquid, grade B	54-gal drum	D	1788.45	DR	A, N, F, M
01-169-1842	Insecticide, Malathion, 95%, liquid, grade B	5-gal can	D	197.26	CN	A, N, F, M
01-424-2495	Insecticide, Methoprene (Altosid XR Briquets)	220 Briquets	D	717.22	BX	A, N, F, M
01-424-2493	Insecticide, Methoprene (Altosid SR-20 Liquid Larvicide)	(2) 2.5-gal co	J	6333.04	BX	A, N, F, M
01-426-5472	Insecticide, N-ethyl perfluorooctane sulfonamide (Advance Dual Choice)	36 stations	D	26.62	PG	A, N, F, M
01-270-9765	Insecticide, Naled, 85%, liquid (Dibrom)	30-gal drum	J	3452.30	DR	A, N, F
00-597-6111	Insecticide, Naphthalene, ball form	14-oz box	D	5.53	LB	A, N, F, M
01-467-0994	Insecticide, Nithiazine, Fly Strips (Quikstrike), 2 strips per package	(12) PG/box	D	172.41	BX	A, N, F
00-174-1825	Insecticide, P-Dichlorobenzene, crystal/flake	100-lb drum	J	428.68	DR	A, N, F
00-174-1824	Insecticide, P-Dichlorobenzene, crystal GSA	1-lb can	J	11.21	LB	A, N, F, M
01-318-7415	Insecticide, Propetamphos, 50% (Catalyst)	(8) 3.2-oz bot	D	31.59	BX	A, N, F, M
01-104-0780	Insecticide, Pyrethrins, 3% pyrethrins with synergists, liquid (ULV fog concentrate)	1-gal bot	D	94.31	GL	A, N, F, M
00-459-2443	Insecticide, Pyrethrins, or d-phenothrin, aerosol (Wasp Freeze/Wasp Stopper II Plus)	(12) 12-oz cans	D	60.69	BX	A, N, F, M
00-823-7849	Insecticide, Pyrethrin, aerosol (PT 565 Plus XLO)	(12) 12-oz cans	D	121.18	BX	A, N, F
01-359-8533	Insecticide, Resmethrin (Scourge) ***RESTRICTED USE PESTICIDE***	5-gal can	D	382.13	CN	A, N, F
01-457-6583	Insecticide, Spinosad, 11.6% (Conserve SC)	1 gal cont.	J	315.76	GL	A, N, F, M
01-474-7751	Insecticide, Sumthrin-Piperonyl Butoxide, 10%-10%, (Anvil 10+10 ULV)	(2) 2.5-gal/box	Z	800.00	BX	A, M, F, N
01-474-7706	Insecticide, Sumthrin-Piperonyl Butoxide, 10%-10%, (Anvil 10+10 ULV)	250 gal co	D	37087.50	CO	A, N, F, M
01-424-3132	Insecticide, Temephos (Abate 4E)	2.5-gal co	J	827.95	CO	A, N, F, M
01-467-1029	Mosquito Larvicide and Pupicide (Agnique MMF)	(2) 2.5-gal co	Z	293.58	BX	A, N, F
01-431-3352	Rodent Indicator Bait Blocks (Census Bait Blocks)	285 blocks	D	61.77	CO	A, N, F, M
00-089-4664	Rodenticidal Bait, Anticoagulant, 0.005% diphacinone	40 blocks	D	48.74	BX	A, N, F, M
00-753-4973	Rodenticidal Bait, Anticoagulant, 0.005-0.0055% diphacinone, pellets	5-lb can	V	9.91	CN	A, N, F
01-151-4884	Rodenticidal Bait, Anticoagulant, 0.005% brodifolone (Maki), pellets	11-lb can	D	27.98	CN	A, N, F, M
01-426-4808	Rodenticidal Bait, Anticoagulant, 0.005% brodifacoum (Talon-G), pellets	10-lb can	D	43.34	CN	A, N, F, M
01-435-9320	Rodenticidal Bait, 2% zinc phosphide (ZP Rodent Bait) ***RESTRICTED USE PESTICIDE***	(250) 7.5-g pkg.	J	36.14	CO	N
00-753-4972	Rodenticide, Anticoagulant, concentrate 0.106% sodium salt of diphacinone (LIQUA-TOXII)	50 pouches	D	233.84	BX	A, N, F, M
01-435-9318	Rodenticide, 10% zinc phosphide (ZP Tracking Powder) ***RESTRICTED USE PESTICIDE***	(4) 500-g bot	J	31.66	BX	N

+User Code A=Army, N=Navy, F=Air Force, M=Marines SOS (DSCR-Richmond)=S9G

***ACQUISITION ADVICE CODES (ACC)**

- D. DOD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.
1. The item is centrally managed, stocked, and issued.
 2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.
- G. GENERAL SERVICES ADMINISTRATION (GSA) INTEGRATED MATERIAL MANAGED, STOCKED AND ISSUED. Identifies GSA managed items available from GSA Supply Distribution Facilities. Requisitions and fund citations will be submitted in accordance with GSA/Military Service requisitioning procedures.
- H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract #(non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.
1. The item is centrally managed and procured.
 2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
 3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
 4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer-required time frame.
- I. DIRECT ORDERING FROM A CENTRAL CONTRACT/SCHEDULE. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by Integrated Material Manager/Military Service supply policy. The item is covered by a centrally issued contractual document, or by a multiple award Federal Supply schedule for GSA managed items, which permits using activities to place orders on vendors for direct delivery to the user.
- J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.
- K. CENTRALLY STOCKED FOR OVERSEAS ONLY. Main means of supply is local purchase. Item is stocked in domestic supply system for those overseas activities unable to procure locally due to non-availability of procurement sources or where local purchase is prohibited. Requisitions will be submitted by overseas activities in accordance with Service/Agency requisitioning procedures. NOTE: CONUS activities will obtain supply support through local procurement procedures.
- L. LOCAL PURCHASE. IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.
- V. TERMINAL ITEM. Identifies items in stock; but future procurement is not authorized. Requisitions may continue to be submitted until stocks are exhausted. Preferred items National Stock Number (NSN) normally provided by the application of the phrase, "When Exhausted Use (NSN)". Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures as applicable.
- X. SEMIACTIVE ITEM-NO REPLACEMENT. A potentially inactive NSN which must be retained in the supply system as an item of supply because (1) stocks of the item are on hand or in use below the wholesale level and (2) the NSN is cited in equipment authorization documents TO&E, TA, TM, etc. or in-use assets are being reported.
1. Items are authorized for central procurement but not authorized for stockage at wholesale level.
 2. Requisitions for in-use replacement will be authorized in accordance with individual Military Service directives.
 3. Requisitions may be submitted as requirements generate. Repetitive demands may dictate at ACC change to permit Wholesale stockage.
- Y. TERMINAL ITEM. Further identifies AAC V items on which wholesale stocks have been exhausted. Future procurement not authorized.
1. Requisitions will not be processed to the wholesale suppliers.
 2. Internal Services' requisitioning may be continued in accordance with Military Service requisitioning policies.
- Z. INSURANCE/NUMERIC STOCKAGE OBJECTIVE ITEM. Items, which may be required occasionally or intermittently and prudence requires that a nominal quantity of material be stocked due to the essentiality or the leadtime of the item.
1. The item is centrally managed, stocked and issued.
 2. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

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APPENDIX C
DoD Equipment List

**DoD PEST MANAGEMENT MATERIEL
LIST (OTHER THAN PESTICIDES)**

March 1, 2002

A. Disclaimer.

1. The Pest Management Materiel List, Other Than Pesticides, paragraph C., below, does not constitute procurement authority for materiel listed herein. Use of trade names in this list is solely for the purpose of providing specified information to aid in the identification of specific products and does not imply endorsement of the products named or criticism of products not mentioned. Products mentioned in this list do not constitute a guarantee or warranty of these products by the Armed Forces Pest Management Board (AFPMB), the Military Departments, or the DoD.

2. Most of the pesticide dispersal equipment listed in paragraph C., below, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, "The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. This list is maintained, and periodically reviewed by the Armed Forces Pest Management Board's Pest Management Equipment Committee. Users are encouraged to submit notice of errors and additional information to the: Armed Forces Pest Management Board, Forest Glen Section, WRAMC, Washington, DC 20307-5001 and to Defense Supply Center Richmond (DSCR), ATTN: JDTA, 8000 Jefferson Davis Hwy, Richmond, VA 23297-5809.

B. Purpose.

The purpose of the Pest Management Materiel List, Other Than Pesticides, is to provide a descriptive reference of DoD standard available pest management equipment and materiel, other than pesticides.

C. Pest Management Materiel, Other Than Pesticides Lists.

1. Hand Sprayer, Pesticide, Manually Operated, Compressed Air. A manually carried piece of equipment that can discharge liquid pesticides by means of a hand-compressed pump in one, or two gallon capacities.

NSN 3740 -	Item (Alternate Trade Name)	Cage Code	AAC*	Unit Price	U/I	Users+
00-191-3677	Sprayer, Pesticide, Manually Carried, 1 gallon stainless tank, with pressure gauge. CID A-A-55748. Flow rate - 0.8 l/min. Includes three sets of spare parts including; crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	127.38	EA	A,N,F,M
00-641-4719	Sprayer, Pesticide, Manually Carried, 2-gallon stainless tank with pressure gauge. CID A-A-55748. Flow rate - 0.8 l/min, includes three sets of spare parts including crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	142.47	EA	A,N,F,M
00-720-0465	Sprayer, Pesticide, Manually Carried, Model Sureshot A-2600, 2 pt capacity, steel tank, no accessories included. GSA	92997	H	32.37	EA	N,F
01-338-5390	Sprayer, Pesticide, Manually Carried, Whitmire System VII Single Pack, Part Number 21-0700, includes pouch for three pesticide product aerosols and a 10 foot memory coiled hose. Pesticide aerosols ordered separately.	67184	D	98.72	EA	A,N,F,M
01-332-8746	Gauge, Sprayer, Pesticide. Part Number 803-311, For retrofitting pressure gage on one and two-gallon compressed air sprayers listed above.	29670	D	8.03	EA	A,N,F,M
4330-01-332-1639	Fluid Filter, Gauge, Pesticide Sprayer. Part Number 146-605. For retrofitting pressure gauge NSN (listed above) to one and two gallon compressed air sprayers listed above. S9C	29670	D	2.90	EA	A,N,F,M
01-234-3448	Parts Kit, Insecticide Sprayer, Hudson P/N 148-673MS for 1 GL sprayer NSN 3740-00-191-3677	29670	D	36.38	KT	A,N,F,M
01-483-3385	Constant Flow Valve, Yellow 1Bar 14.5 psi	1TFE0	D	19.95	EA	A,N,F,M
01-483-3388	Constant Flow Valve, Red 1.5Bar 21.0 psi	1TFE0	D	19.95	EA	A,N,F,M
01-483-3390	Constant Flow Valve, Blue 2Bar 29.0 psi	1TFE0	D	19.95	EA	A,N,F,M
01-483-3391	Constant Flow Valve, Green 3Bar 43.5 psi	1TFE0	D	19.95	EA	A,N,M,F

2. Duster, Pesticide, Manually Carried. Pest Control Equipment which disperses pesticide dust formulations via manually operated bellows, sifters or fans.

NSN 3740 -	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-132-5935	Duster, Manually Carried, 5-10 lb. tank capacity. FEDSPEC RR-D-780C. Manually operated rotary fan type; accessories include one straight discharge nozzle, two non-flexible straight extension tubes (14" long) and one curved non-flexible tube (10" long). Flow rate - 10-50 lbs./hr, and wt 8 lbs. Used to treat rodent burrows for ectoparasite control.	81348	Z	140.29	EA	A,N,F,M
00-132-5936	Duster, Manually Carried, Tubular Pump, 1lb tank capacity. CID A-A-55555. Designed to apply dusts for spot treatment indoors and outdoors. Flow rate - 10-50 lb./hr, and wt 2.03 lbs. May be used to apply pesticides and rodenticides in rodent burrows.	58536	D	34.57	EA	A,N,F,M
01-441-5250	Centro Bulb Duster, bulb duster, Part Number 27920 and 28140 and 28120, consists of one 14oz bulb duster, with a straight metal nozzle, a 2 inch curved tip nozzle and a 12 inch extension with coupling.	9L921	J	45.46	KT	A,N,F,M

3. Sprayer and Duster, Pesticide, Manually Carried, Backpack. Designed to discharge either liquid or solid pesticides, under pressure, dispersed by means of a blower. Liquid particle discharge size is 50 to 100 microns. Tank/hopper size is variable.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-463-0147	Sprayer-Duster, Pesticide, Backpack, STIHL Model SR400, gasoline engine driven, includes, granular spreader, ULV nozzle, and field parts kit. Tank size – 3.5 gal., 24.6" high X 18.9" wide X 11" deep, 24 lbs empty wt.	9Z575	D	854.73	EA	A,N,F,M
01-157-4000	Sprayer-Duster, Pesticide, Backpack, Solo Model 423, gasoline engine driven, 5 horsepower, 1.6 quart fuel tank, includes dusting attachment and set of dosage pieces, three gallon pesticide tank. Discharges mist 33 ft horizontally, and 25 ft vertically. 27" high X 18" wide X 12" deep weighs 25 lbs. empty. Note: Echo Model DM9, formerly listed under NSN no longer procurable.	8T480	Y	587.28	EA	A,N,F,M

4. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, pushcart Mounted. A portable or push cart mounted

Unit designed to disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, electric motor driven, 120V AC, Model Space III or CID A-A-52286 primarily used to control stored product pests. Mist, fine spray output– 0.5 to 3.5 oz per min, 5-gallon pesticide tank, operating pressure 4 PSIG, wt 176 lbs., shipping wt. 310 lbs.	58536	Z	5372.64	EA	A,N,F,M

5. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide. A skid or frame mounted unit designed to disperse

Liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-772-0090	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, MIL-S-12511, 42" lg. X 26" wi X 30" hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. A12/FLZ	82254	W	2733.00	EA	A,F
00-916-6462	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, Part No, 47500, Mil-S-12511, 42" lg. X 26" wi X 30" hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 1.5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. A12/FLZ	82254 81349	C	2733.00	EA	A,F
00-993-4000	Sprayer, Pesticide, Frame Mounted, mist and solid stream, Part No CSR47500A, Mil-S-12511, 42" lg. X 26" wi X 30" hi, wt 174 lbs., 50 ft hose, (0.375 inch internal diameter, and non-oil resistant), 4.0 horsepower engine, piston driven pump, pressure gage, spray gun, discharge control valve, and one discharge hoses included. 3 GPM discharge rate. Pesticide tank not included. A12	82254 81349	C	2733.00	EA	A
01-053-0127	Sprayer, Pesticide, Skid Mounted. FMC Model DM10E200SRK, Part No. 5268191. Modular constructed sprayer with a 200-gallon tank.	50492	J	8437.53	EA	A
01-211-7226	Sprayer, Pesticide, Frame, Mounted, gasoline engine driven, MIL-S-12511, 51" X 15" X 19", wt 100 lbs. Flow rate – 3GPM at 300 PSI operating pressure. Pesticide tank not included. A12	81349	C	995.00	EA	A
01-454-1981	Pesticide Sprayer, Electric, Liquid (SPEL), AG 25 Sprayer, battery/electric, solid stream sprayer, 25 gal plastic tank, 15 ft hose, .0375 in inside diameter hose, wt. 25.6 lbs., L 29 1/2" x W 20"x Ht16."	03JL1	J	427.05	EA	A,N,F,M
01-026-9162	Sprayer, Pesticide, Skid Mounted, gasoline engine driven, SMITHCO Part No	61684	Z	3714.44	EA	A,F

	7830-MH, 200 gallon, fiber glass tank, wt 825 lbs. Flow rate - 10 GPM at 425 PSI, 5.75 horsepower, mist and solid stream, piston pump, 100 foot, 0.05 inch inside diameter, abrasion and weather resistant hose.					
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6. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, Trailer Mounted. A trailer mounted unit designed to Disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-474-7367	Spray System, WeedSeeker, Complete DB210 WeedSeeker system including 55 GL chemical tank, 14 GL fresh water tank and a 12V pump, installed on a folding and breakaway boom all mounted on a 6 x 4 John Deere Gator with a heavy duty alternator. System includes 10 sensors, 10 valve cartridges, 1 CP controller, associated electrical cables and plumbing.	1JRR1	J	25133.72	EA	A,F,N,M
01-474-7318	Spray System, WeedSeeker Kit, SB102 kit that includes 2 WeedSeeker sensors, 2 valve cartridges, a CP controller and associated electrical cables and plumbing.	1JRR1	D	3100.00	EA	A,N,F,M
01-474-7285	WeedSeeker add-on kit (A001) includes 1 WeedSeeker sensor, 1 valve cartridge, an electrical cable and associated plumbing	1JRR1	D	990.00	EA	A,N,F,M
00-166-2910	Sprayer, Roto Mist, Fine Spray, 4 Wheel Trailer Mounted, FMC Model 303T, blower diameter 40 inches, air volume 60000 CFM, air volume 95 MPH, blower rpm 2200, pump capacity 20 GPM, pump pressure 0-400 lbs., 300 gallon tank. A12	06350	L	-----	EA	A
00-901-0720	Sprayer and Duster, Pesticide, Trailer Mounted, gasoline Kohler engine driven, Buffalo Turbine Agricultural Equipment Model BT -CSM II, 50 gallons and 4 cubic ft. tank capacity, 20 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist sprayer, 10000 CFM discharge rate at 150 MPH.	93146	J	18197.39	EA	A,N,F
00-925-9594	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068, size B, 500 gallon tank, flow rate - 25 GPM at 700 PSI, 168" X 75" X 80", wt 1800 lbs., 18 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, piston pump, includes 2 spray guns, 200 feet of 0.50 inch diameter, abrasion and weather resistant hose.	81349	J	19767.85	EA	A,N,F
00-925-9598	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068C, size C, 200 gal steel tank, 5.75 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, 1 discharge nozzle, piston pump, flow rate - 10 GPM discharge rate at 425 PSI, 100 foot 0.50 inch inside diameter, abrasion and weather resistant hose.	81349	J	10700.80	EA	A,N,F
01-413-9095	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, FIMCO P/N TTS250, 200 gallon poly ethylene tank, flow rate - 16 to 18 GPM at 30 to 50 PSI, 5 horsepower, 8 roller pump, 2 wheel, pneumatic tire trailer, 100 ft hose, high pressure, 3/8" inside diameter hose & Model 43H, trigger, aluminum handgun.	1B437	J	3149.83	EA	A,N,F

7. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Manually Carried. A manually carried unit designed to disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-818-6648	Fog Generator, Manually Carried, gasoline engine driven, thermal fog, Curtis Dyna Model 2610 Golden Eagle. Provides indoor/outdoor thermal fog for mosquito and fly control, 52" X 9.5" X 25.5", wt 19 lbs., 1 gallon pesticide tank. Flow rate - 5 GPH at 6 psi, adjustable shoulder strap included.	82254	Z	1038.71	EA	A
01-206-9636	Sprayer, Manually Carried, DC (rechargeable battery), Ulva Fan, Dram Model MK2, Ultra Low Volume. Flow rate - 60 ml/min at 3 PSIG, 0.5-liter plastic pesticide reservoir, and wt 3.25 lbs. with out battery.	3W681	D	407.82	EA	A,N,F,M
01-456-2625	Fogger, Hand Held, gasoline engine driven, ULV, London Fog Eliminator, PN#	56215	J	1623.08	EA	A,N,F,M

	8100, 25" long X 20 1/2" high X 10 1/2" wide, 24 lbs. empty wt. Normal dry fog rate is 5-6 gph.					
01-456-2622	Fogger, Hand Held, gasoline engine driven, ULV, London Aire Colt. PN# 8675, 14" long X 11" wide X 12" high, 19 lbs. empty wt. Flow rate – 0-4 oz per minute.	56215	J	2902.50	EA	A,N,F,M
01-456-2623	Fogger, Hand Held, gasoline engine driven, ULV, Clarke P-1, PN# L7800-001, 17 lbs. empty wt.	65183	J	2322.00	EA	A,N,F,M

8. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Pushcart Mounted. A push cart mounted unit designed to Disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, CID A-A-5286, Micro-Gen Model SpaceIII, electric powered, 120 volt, 60 Hz, 3 phase motor, 1 horsepower, 4 wheel hand pushed, 48" X 24" X 42", 5 gallon tank, wt 176 lbs.	58536 52987	Z	5372.64	EA	A,N,F,M

9. Sprayers, pesticide, fog/aerosol generator (ULV/ULD), skid mounted. A skid mounted unit designed to disperse liquid Pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-375-9154	Fog Generator, Skid Mounted, gasoline engine driven, Grizzly PDS, 53" lg. X 31" wi X 37" ht, wt 456 lb. empty, 18 horsepower engine, positive displacement blower w/6 psi max pressure, 5 gallon polystyrene pesticide tank.	24885	J	12271.09	EA	A,N,F,M
01-206-9635	Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), vinyl cover (PN AE550), and 12 volt battery.	65387	Z	9427.50	EA	N,F,M
01-445-8380	AGULVE, Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP with an aluminum frame, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), and repair parts kit (PN A0532.2)	19204& 65387	D	12812.60	EA	A,N,F,M
01-141-2557	Aerosol Generator, Pesticide Skid Mounted, Curtis Dyna Model 2740 Series II, 15 gallon tank, 48" X 41" X 35", wt 495 lbs.	82254	Z	5121.68	EA	A,F,M

10. Sprayer, Pesticide, Aerial Application Unit, Liquid or Dry Pesticide. Designed for use with rotary wing aircraft. Units May be electric or gasoline engine driven and internally or externally mounted. Units may be equipped with booms.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-206-9614	Dispersal Unit, Insecticide, Model PAU-9/A. Unit is currently restricted to internal mounting in a UH1H helicopter airframe.	65388	X	18122.90	EA	
01-262-8707	Pesticide Dispersal Unit (PDU), Multicapacity, Part No 96800, helicopter slung, low volume liquid spray system, ULV Spray System and Solid (Granular)	52905	Z	94150.22	EA	A

	Dispersal System, 150 gallon tank capacity.					
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11. Trap, Insect, to include light traps and insect bait boxes.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-134-9229	Trap, Insect, Portable, Battery Operated, Hausherr's Model CDC, battery operated, cylindrical, w/14.5 inch diameter aluminum cover. S9M	30286	L	-----	EA	A,N,F
00-607-0337	Trap, Mosquito Light, New Jersey. Used to collect mosquitoes where 110Volt-power source is available. 14" X 9.5", wt 9.5 lbs., weatherproof time clock included.	30286	D	445.82	EA	A,N,F,M
01-106-0091	Trap, Solid State Army Miniature (SSAM), Hock Model 1012 . Used for mosquito surveillance, portable powered by either D cell or rechargeable 6-volt gel cell batteries. Wt 3 lbs. w/o batteries. For D-cell non-rechargeable alkaline batteries, order 6135-00-835-7210. For gel-cell rechargeable batteries, order 6140-00-432-0490. For a battery charger to recharge gel-cell batteries order 6130-00-629-7396. S9M	6T654	L	-----	EA	A,N,F,M

12. Trap, animal. A device snap/set/glue used to capture animals.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-252-3384	Mouse Trap, Spring, Model CANTMISS OR GGG-M-550, WD base, w/4 way release, 4" X 2" X 0.5." GSA	98878	G	5.60	DZ	A,N,F,M
00-260-1398	Rat Trap, Spring, CAN'T MISS RATTRAP, 7" x 3" x 0.5." GSA	98878	G	18.07	DZ	A,N,F,M
00-260-1401	Trap, Cage, Animal, Portable, Collapsible, Part No, 206, 27" X 9" X 9", wt. 7 lbs. GSA	23907	H	67.60	EA	A
01-095-1738	Trap, Cage, Animal, Woodstream Model 1045, galvanized steel, 36" X 11" X 11", wt 16.5 lbs.	84155	Z	58.70	EA	F,N
01-096-1632	Trap, Insect, Sticky Trap, Roach, .box of 24 traps, 5" X 3.5" X 2,"	11865	D	64.96	BX	A,N,F,M
01-240-6170	Trap, Rodent, Glue, Woodstream Model M-319 (Holdfast), 9" X 9" X 4", wt 1 lb., 24 traps per box.	84155	D	19.72	BX	A,N,F,M
01-371-6770	Mousetrap, Spring, Part No 81820, expanded trigger.	40850	D	1.63	EA	F
01-412-9363	Indoor Fly Catcher Traps, Part number 445 or M500, cylindrical sticky fly trap, 12 per box.	27633 84155	D	60.68	BX	A,F
01-412-9371	Insect FlyCatcher, Part Number M510, 144 sticky paper strip rolls per box.	84155	H	185.94	BX	A,N,M
01-420-9038	Insecticide, Glue, Part Number 101, four 1 gal containers per box. Used to rodent glue boards.	27633	D	143.53	BX	A,N,F,M
01-423-2471	Pole, Animal Restraint, Part No 81506,	7D560	D	131.58	EA	A,N,F,M
01-431-1186	Trap, Rodent, Mechanical, Aluminum, Sherman Model LFAHD, Box of 30 traps with 5 spare curved wires and 5 spare straight wires for linking sides and bases.	0TT47	Z	607.53	BX	A,N,F,M

13. Rodent Bait Stations. Tamper proof devices used to hold rodent bait.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-467-6951	Container, Rodent Bait, Plastic, Tamper Proof, spring loaded, self closing (Keep-Rat Bait station)	1MHL2	J	90.56	BX	A,F,M,N
01-481-1312	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Clear Mouse), 12 bait stations per box	00A02 1US65	D	21.35	BX	A,F,N,M
01-481-1313	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Clear View-Rat), 6 bait stations per box	00A02 1US65	J	85.91	BX	A,N,F,M
01-481-1316	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Cool Box/White-Rat), 6 bait stations per box	00A02 1US65	J	55.50	BX	A,N,F,M
01-423-0737	Container, Rodent Bait, Plastic, Tamper Proof, capable of dispensing solid or granular bait, Part No 05830, 6 bait stations per box.	9L921	D	82.01	BX	A,N,F,M

14. Spreader, Granular. A manually-carried or push cart/trailer-mounted unit designed to disperse granular pesticides, Fertilizers, and seeds.

NSN 3750-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-903-3734	Spreader, Loose Material, Manual, Rotating Disc, Model Cyclone 4T06-6T08, 8' maximum spread path width. 40" X 20" X 20", weight 140 lbs. GSA	18654	L	-----	EA	A,F
00-965-0043	Spreader, Loose Material, Towed, Rotating Disc, Part No 111, 56' maximum spread path width. FLZ	00229	V	685.00	EA	F
00-729-6897	Spreader, Loose Material, Manual, Hand Crank, Rotating Disc, Part No PCB or 75, 12' maximum spread path width, 10.5" X 9", wt 5.5 lbs. GSA	84945 86951	J	127.40	EA	A,F
00-269-6028	Spreader, Loose Material, Manual, Gravity spread, Rotating Disc, Model Gandy Line Tender 901-3JRKLT, 1.75' maximum spread path width. 36" X 36" X 42", wt 124 lbs. GSA	89055	L	-----	EA	F

15. Pheromone Trap stored products. Includes traps, pheromones and accessories used to monitor stored product pests.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-414-8117	Insect Wing Trap Kit, P/N 3653-13, 3-traps, 3-liners and 6 lures.	02RG7	J	29.74	KT	A,N,F,M
01-414-8118	Indian-Meal Moth Lures, P/N 3153-25, 25 lures per bag.	02RG7	J	87.69	BG	A,N,F,M
01-414-8123	Confused and Red Flour Beetle Lures, P/N 3156-25, 25 lures per bag	02RG7	J	99.39	BG	A,N,F,M
01-414-8124	Khapra and Warehouse Beetle Lures, P/N 3155-25, 25 lures per bag.	02RG7	J	101.70	BG	A,N,F,M
01-414-9391	Insect Monitoring Kit, P/N 3565-01, for khapra and warehouse beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	41.47	KT	A,N,F,M
01-414-9393	Insect Monitoring Kit, P/N 3566-01, for red and confused flour beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	37.86	KT	A,N,F,M
01-414-9395	Insect Monitoring Kit, P/N 3567-01, for saw-toothed grain and merchant grain beetles, 5 traps and food oil attractant	02RG7	J	33.00	KT	A,N,F,M
01-414-9397	Cigarette Beetle Lures, P/N 3162-25, 25 lures per bag.	02RG7	J	67.75	BG	A,N,F,M
01-414-9399	Lesser Grain Borer Beetle Lures, P/N 3158-25, 25 lures per bag	02RG7	J	63.07	BG	A,N,F,M
01-418-5107	Insect Monitoring Kit, P/N 3302-00, 100 traps per box	02RG7	J	331.97	BX	A,N,F
01-418-5110	Insect Monitoring Kit, P/N 3303-25, 25 traps per box.	02RG7	J	50.77	BX	A,N,F
01-418-1927	Insect Monitoring Kit, P/N 121901, 100 wing trap kits per box.	11865	H	152.25	BX	A,N,F,M
01-473-1038	Indian-Meal Moth Lures, P/N IMM-100, 100 lures per pkg.	11865	D	300.00	PG	A,N,F,M
01-473-1042	Indian-Meal Moth Kit, P/N SP-IMM-20, 20 lures per box and 20 traps	11865	D	19.70	KT	A,M,N,F
01-473-1039	Indian-Meal Moth Lures, P/N IMM-10, 10 lures per pkg.	11865	D	33.98	PG	A,N,F,M
01-418-1929	Indian-Meal Moth Lures, P/N 122514, 100 lures per bag.	11865	H	65.95	BG	A,N,F

16. Bird Pest Management Devices.

NSN 3740-	Item (Alternate Trade Name)	Cage	AAC	Price	U/I	Users+
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		Code	*			
00-076-3541	Gun, Scareaway, Zonmark II. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included), 36" X 12" X 7," wt 20 lbs.	5G078	L	-----	EA	F
1095-01-437-7478	Pyrotechnic Pistol, P/N RJ1, uses w/ 15MM screamer-siren or bird banger cartridges, single shot S9C	0MGG7	Z	51.50	EA	F
1095-01-437-7479	Pyrotechnic Pistol, P/N B1S, uses 15MM screamer-siren or bird banger cartridges, double shot S9C	0MGG7	Z	54.08	EA	F
1370-01-204-1525	Cracker Shotgun shell, 12 gauge, bird scare (shell cracker), P/N 8344212 FG5	07878	D	1.35	EA	F,N
1370-01-454-9861	Cartridge, Pyrotechnic, animal dispersal, 15MM bird screamer, P/N SCR-ICBM FG5	0MGG7	L	-----	EA	F
01-037-9325	Gun Scareaway, Dana Model AO-86M-3. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included) , 36" X 12" X 8," wt 30 lbs.	55726	J	344.39	EA	F

17. Miscellaneous.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
6505-00-664-0441	Mineral Oil, Light, NF (ULV Diluent/Cleaning Agent) S9M	61757	L	-----	PT	A,N,F,M
6505-00-240-6328	Mineral Oil, Light, NF (ULV Diluent/Cleaning Agent) 5 gallon can S9M	61757	L	-----	CN	A,N,F,M
00-252-3383	Swatter, Fly, Model Plasti-Swat 51, 18"lg X 4"w X 0.5," wt 5 oz., 12 per package. GSA	54749	G	3.13	PG	A,N,F,M
01-210-2368	Aspirator, 1.5v (2-D Cell battery) powered, &" X 3.5" X 2," wt 8 oz w/o batteries. S9M	30286	L	-----	EA	A,N,F,M
01-454-1982	Stake, Flag, Orange, P/N 101066, 2 ½" X 3 ½" Orange vinyl flag, 30" wire length. PG/100 EA	51985	D	7.97	PG	A,N,F,M
01-454-1984	Holder, Carrier, Stake, Flag, P/N 101124, heavy-duty green, cotton duct shoulder bag with shoulder strap.	51985	J	13.85	EA	A,N,F,M
01-454-1987	Scales, Spring, Pesola, 100 gram, PN# 277502, 22 cm long X 5-cm wide w/internal spring, 0.3 lb.	51985	J	61.84	EA	A,N,F,M
01-454-1989	Scales, Spring, Pesola, 500 gram, PN# 277506, 28 cm long X 5 cm wide w/internal spring, 0.3 lb.	51985	J	61.84	EA	A,N,F,M
01-474-7402	Aspirator, Oral, Entomology Specimen Collection, Model 412, Polycarbonate plastic straight tube, 12" long with plastic coupler with nylon screen inside. 2-ft rubber tube attached to end comes with polycarbonate mouthpiece.	6T654	D	14.51	EA	A,N,F,M
01-454-2256	Aspirator, Oral, Entomology Specimen Collection, with HEPA filter for respiratory protection, Model 612, Polycarbonate plastic straight 12" tube, plastic coupler w/nylon screen, screws into 0.3 micron HEPA filter. A 2 ft rubber tube is attached to other end of filter comes with polycarbonate mouthpiece.	6T654	Z	46.44	EA	A,N,F,M
01-454-2344	Point Punch, Entomology Specimen, 6" long X ¾" high X 3" wide, metal punch with spring expanded handle, wt. 0.4 lbs.	59590	J	63.24	EA	A,N,F,M
01-454-2345	Breeder, Mosquito, 8 ¾" high X 4 7/8" diameter, consists of two clear quart sized containers, a plastic lid between two sections contains a vinyl funnel through which the emerging adult mosquitoes fly into the upper section.	59590	D	24.94	EA	A,N,F,M
01-454-2348	Tray, Mosquito Larval Sorter, bright white polyethylene tray, 10" wide X 13 ½" long X 1 ¼" deep.	59590	Z	17.11	EA	A,N,F,M
01-454-2341	Dipper, Entomological, white plastic 5" diameter with 3' wood handle, P/N 1132	59590	D	19.64	EA	A,N,F,M
01-454-2354	Vials, Collection, Entomology Specimen, 6-dram w/polyseal cap, 23-mm diameter, and 85-mm length.	59590	D	10.53	DZ	A,N,F,M
01-474-7377	Tweezers, Tick Removal, Stainless Steel, P/N 0621	1TJF0	D	3.46	EA	A,N,F,M
01-483-3012	Syringe, Maxforce Bait Injector	93098	D	38.98	EA	A,N,M,F
01-456-2530	Block, Insect Pinning, 1" wide X 3" long, cut to three levels, provides correct label and specimen height on insect pins.	59590	D	4.10	EA	A,N,F,M
6530 01-451-5144	Light, UV, Hand Held, w/replacement bulb (NSN 6210-01-449-3170). 2" X 4" X 8" plastic lamp w/ wrist strap, operates with 4AA batteries, wt. 1.5 lbs. S9M	0USV5	L	-----	EA	A,N,F,M

18. Sets and Kits.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
00-952-2180	Trap, Rodent. Model 9-552-180, 18" X 15" X 15", wt 40 lbs. S9M		D	957.31	SE	A,N,F,M
00-148-7639	Insect Control Set, Part No. MC06250.7. C/O dusters, insecticides, protective clothing and related equipment identified in Marine Corps Stock List SI-3-07705A.	80372	J	3388.35	SE	M
6545-00-952-2175	Rodent Survey Kit, Used to survey for rodents. 30" X 25" X 20", wt 170 lbs. S9M		X	3550.86	SE	A,N,F,M
6545-00-952-2178	Rodent Survey Kit #1. Used to survey for rodents. 30" X 18" X 16", wt 118 lbs. S9M		D	2815.90	SE	A,N,F,M
6545-00-982-4121	Entomological Collecting Kit, Field, 30" X 24" X 15", wt 90 lbs. S9M		D	11289.19	EA	A,N,F

19. Personal Protection Materiel.

NSN	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
7210-00-266-9736	Insect Net Protector, Field Type, MIL-I-10901, 200" X 68", wt 1lb. Used to protect personnel from insects while sleeping. Mildew resistant nylon fabric. S9T	81349	D	26.25	EA	A,N,F,M
7210-00-267-5641	Pole, Folding Cot, Insect Net Protector. Four 30" X 1" wood poles, wt 1 lb., used to suspend Insect Net protector, Field Type (listed above) from military cots. MIL-P-17662. S9T	81349	D	4.15	SE	A,N,F,M
7210-00-300-6950	Clamp, Insect Net Protector Rod. Used to Attach Insect Bar, Rods (listed below) to military cots. CID A-A-55099. Requires to clamps to attach Rods and erect the Insect Net Protector. S9T	58536	D	2.75	EA	A,N,F
7210-00-359-4850	Rod, Insect Net Protector. Two T-shaped metal rods, used to suspend the Insect Bar, Field Type. Rods may be pushed into the ground. Rods do not fit into military cots, use Insect Bar, Clamp (listed above). CID A-A-55099. Two Rods, Insect Net Protector are required to erect an Insect Net Protector. S9T	58536	D	6.70	EA	A,N,F
7210-00-266-9740	Insect Net Protector, MIL-I-82265, 27"X77.5," Used to protect personnel from insects while sleeping, for use with military cots. S9T	81349	D	27.25	EA	N
8415-00-935-3130	Insect Bar, Head Net. Used to protect head and neck from mosquitoes. 30" X 20," wt 1 lb. MIL-I-11489. S9T	81349	D	5.15	EA	A,N,F,M
8415-00-935-2914	Insect Net, Hat. CID A-A-55082. Nylon Netting, AG323, Elastic Headwear Attachment. S9T	58536	D	0.35	EA	A,N,F
8415-01-192-2357	Insect Net, Mittens. MIL-S-37205. Head and hand covering; nylon; black; packaged in heat-sealed, waterproof bag. A component of Survival Kit, Individual, NSN 6545-00-139-3671, but may be ordered separately. S9T	81349	L	-----	EA	A,N,F
8415-01-035-0846	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Small. Wt 1 lb., MIL-J-87024. S9T	81349	D	16.55	EA	N,F,M
8415-01-035-0847	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Medium, Wt 1 lb. S9T	81349	D	16.55	EA	N,F,M
8415-01-035-0848	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Large, Wt. 1 lb. S9T	81349	D	16.55	EA	N,F,M
01-483-2988	Jacket, Bug-Out outer wear, size Small, P/N 5460A	59590	D	37.60	EA	A,N,F,M
01-483-3002	Jacket, Bug-Out outer wear, size Medium, P/N 5460B	59590	Z	59.68	EA	A,N,F,M
01-483-3004	Jacket, Bug-Out outer wear, size Large, P/N 5460C	59590	Z	37.60	EA	A,N,F,M
01-483-3007	Jacket, Bug-Out outer wear, size XL, P/N 5460D	59590	D	37.60	EA	A,N,F,M
01-483-3008	Jacket, Bug-Out outer wear, size XXL, P/N 5460E	59590	D	42.50	EA	A,N,F,M

20. Devices for Electrocution of Flying Insects, Reference Armed Forces Pest Management Board Technical Information Memorandum (TIM) No. 25, August 1988, for information on appropriate uses. See paragraph F.3, below to obtain either electronic or hard copies of TIM 25.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC *	Price	U/I	Users+
01-286-2361	Wall Mount, 80W, Type I, Class A, CID A-A-82587	58536	D	221.89	EA	A,N,F,M
01-286-2362	Wall Mount, 40W, Type I, Class B, CID A-A- 82587	58536	D	200.47	EA	A,N,F,M
01-286-2363	Ceiling Mount, 80W, Type II, Class A, CID A-A-82587	58536	J	272.77	EA	A,N,F,M
01-286-2364	Corner Mount, 80W, Type III, Class A, CID A-A- 82587	58536	J	228.85	EA	A,N,F,M
01-287-1036	Ceiling Mount, 40W, Type II, Class B, CID A-A-82587	58536	J	401.47	EA	A,N,F,M

C. Emergency Procurement of Pesticides and Pest Management Equipment.

***ACQUISITION ADVICE CODES (ACC)**

Code D. DoD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.

1. The item is centrally managed, stocked, and issued.
2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.

Code H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract # (non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.

1. The item is centrally managed and procured.
2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer required delivery time frame.

Code J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

Code L. LOCAL PURCHASE. IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.

E. Emergency Requisition Procedures.

1. Deploying and/or deployed forces often need pesticides and pest management equipment on short notice. The Defense Logistics Agency has established Emergency Supply Operations Centers (ESOCs) to help meet these needs.

2. For emergency procurement of pesticides, including repellents and pest management equipment, including pesticide application equipment: Contact the Defense Supply Center Richmond (DSCR) Emergency Supply Operations Center (ESOC) at DSN 695-4865 [commercial (804) 279-4865]. This ESOC is staffed 24 hours, 7 days per week.

3. For technical logistical inquiries, contact the DSCR Chemist at DSN 695-3995 or commercial at (804) 279-3995 during normal duty hours (0730-1700 hrs eastern standard time) or via pager number 1-888-824-4030, which is available 24 hours, 7 days per week.

4. For personal protection equipment (respirators, bed nets, head nets, etc.): Contact the Defense Supply Center Philadelphia ESOC Customer Assistance Branch at DSN 444-3042/3043 or Commercial at (215) 737-3041. The Philadelphia ESOC is staffed 0630-1700 hours Monday through Friday, eastern standard time.

F. Armed Forces Pest Management Board (AFPMB) Technical Information Memorandum (TIM) 24, “Contingency Pest Management Pocket Guide”.

1. This TIM is intended for field use during exercises and contingency operations by deployed forces. The purpose of TIM 24 is to provide basic information on using pesticides and pest management equipment to control disease vectors and pests during field situations worldwide.

2. Most of the pesticide dispersal equipment listed in paragraph C., above, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, “The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, “DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. You may obtain copies of TIM 24 from the AFPMB Home Page:
<http://www.afpmb.org>

G. AFPMB TIM 19, Catalog of DoD Pest Management Materiel, Other than Pesticides.

1. This TIM is intended to graphically portray through electronic images, the equipment items named in this listing. Whereas this listing is updated at least three times per year, the catalog will be updated at most two times per year, so that there may be some lag between the two sources. The TIM also provides further technical details for the items on this list, and thus is designed to complement the list.

2. TIM 19 is available from the AFPMB Home Page, other AFPMB publications are available from that site or by writing to: The AFPMB, ATTN: DPMIAC, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or calling DSN 295-7479 or commercial (301) 295-7479. You may electronically access AFPMB publications via the AFPMB Home Page: <http://www.afpmb.org>

H. List Maintenance.

The Armed Forces Pest Management Board and Defense Supply Center Richmond in order to provide current information to the DoD Pest Management Community jointly publish this list. Comments and questions are welcome. Please sent them to: Armed Forces Pest Management Board, Equipment Committee, ATTN: Ex Officio, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or phone Commercial (301) 295-7476, or DSN 295-7476, or FAX Commercial (301) 295-7476 or to Clifford Myers at DSCR (804) 279-3995 or FAX (804) 279-3653, DSN 695. Pager is 1-888-824-4030.

APPENDIX D

DoD CONTINGENCY PESTICIDES

MARCH 1, 2002

A. Disclaimer.

1. The Contingency Pesticide List, paragraph E., below, does not constitute procurement authority for pesticides listed herein. Use of trade names in this publication is solely for the purpose of providing information to aid in the identification of specific products and does not imply endorsement of the products named or criticism of products not mentioned. Products mentioned in this list do not constitute a guarantee or warranty of these products by the Armed Forces Pest Management Board (AFPMB), the Military Departments, or the DoD.

2. Most pesticides listed in paragraph E., below, and addressed in AFPMB TIM 24, "Contingency Pest Management Pocket Guide," should only be applied by personnel (i.e., preventive medicine or pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, "The DoD Plan for the Certification of Pesticide Applicators," September 30, 1996. All other personnel should not procure or use pesticides unless specifically authorized by Service instructions, regulations, or directives.

B. Purpose.

The purpose of the Contingency Pesticide List is to provide basic information on pesticides approved by the AFPMB Contingency Advisory Group for control of disease vectors and pests during field operations worldwide. Pesticides should be used only as a part of an integrated pest management program (IPM). IPM is an approach that combines a variety of control techniques – including physical, mechanical, educational, biological, and chemical – to prevent disease and injury or economic loss due to vector arthropods and pests. Since pesticides are usually a last resort, the IPM approach reduces our dependency on pesticides and reduces the health and environmental risks associated with pesticide treatments.

C. Recording, Reporting, and Archiving Pesticide Use during Contingency Operations.

Paragraph B.3.h., DoD Instruction 4150.7, "DoD Pest Management Program," April 22, 1996, requires that pesticide use during military operations be recorded and archived. Pesticide applicators must record all pesticide applications, excluding arthropod skin and clothing

repellents, performed during military operations, on DD Form 1532-1, "Pest Management Maintenance Record," or a computer-generated equivalent. Reporting pesticide use and archiving pesticide use records shall be accomplished in accordance with Service procedures.

D. Shipping Information.

1. Pesticides listed at paragraph E., below, are suitable for contingency use by the Military Services. Refer to AF Joint Manual 24-204/TM 38-250/NAVSUP 505/MCO P4030.19G/DLAI 4145.3, "Preparing Hazardous Materials for Military Air Shipments," 1 March 1997, for additional guidance on air transportation of pesticides. The International Air Transportation Association's "Shippers Declaration for Dangerous Goods" form must be used for air transport of those pesticides, which are regulated. Service Focal Points jointly establish procedures and prepare documentation necessary to implement the manual. In accordance with paragraph 1.2.2. of this manual, users should contact their Service Focal Points for all clarification and waivers. Service Focal Points are:

Air Force. HQ AFMC/LGTP, 5215 Thurlow St., Wright-Patterson AFB, OH 45433-5540, Phone (513) 257-4503, DSN: 787-4503.

Army. U.S. Army Safety Center/CSSC-PP, Ft. Rucker, AL 36362-5356,

Phone: (205) 255-3553, DSN: 588-3553.

Navy. Commander, Naval Supply Systems Command, Code 4122D, 1931 Jefferson

Davis Highway, Arlington, VA 22241-5360, Phone: (703) 607-1088, DSN: 327-

1088. Navy Activities get waivers from Navy Ships Parts Control Center, Code 0541, P.O. Box 2020, Mechanicsburg, PA 17055-0788, Phone (717) 790-2784, DSN: 430-2784.

Marine Corps. Commander of Marine Corps (LPP-2), Headquarters, U.S. Marine Corps,

2 Navy Annex, Washington, DC 203890-1775, Phone: (703) 696-1061, DSN: 226-1061.

Defense Logistics Agency/MMLSD, 8725 John J. Kingman Road, Suite 253, Ft Belvoir, VA 22060-6219, Phone (703) 767-3673, DSN: 427-3673.

2. Shipping papers are required for all hazardous materials in transit and should be within the reach of transport drivers/operators at all times. Information contained on the shipping papers includes: proper shipping name, hazard class, and UN identification number, reportable

quantity (RQ) if applicable, and package quantities or weight.

3. Marking regulations require information on the specific hazardous material to be visible or "marked" on the outside of the package. Information required to be marked on the packages includes proper shipping name, UN identification number and consignors or consignee's name.

4. Packages containing hazardous materials must have the appropriate Department of Transportation (DOT) Label attached to the outside container. For additional instructions, refer to Attachment 15, "Labeling Hazardous Materials," in AFJM 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030-19G/DLAI 4145.3.

5. The shipping information listed below is believed to be current but may be incomplete due to revisions and/or not applicable to all conditions or situations that may exist or occur. Users must verify the suitability of the shipping information listed below prior to use.

E. Contingency Pesticide List.

1. HERBICIDES				
The following herbicides must be applied by a DoD certified pesticide applicator or under the direct supervision of a DoD Certified pesticide applicator.				
NOMENCLATURE	U/I	AAC *	Price **	NSN
Herbicide, Isopropyl salt of glyphosate, 41% water soluble liquid, Roundup Pro, (2) 2.5-gal cont., <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	283.41	6840-01-108-9578
Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid, Roundup Dry Pak, 25 packs per box, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	57.20	6840-01-399-0673

2. REPELLENTS				
The following repellent must be applied by trained personnel or a DoD certified pesticide applicator.				
NOMENCLATURE	U/I	AAC	Price	NSN
Insect Repellent, Clothing Application, 40% permethrin, liquid, (12) 151-ml bottle per box, for 2 gal sprayer, <i>Proper Shipping Name</i> - FLAMMABLE LIQUIDS, N.O.S. (contains insecticide - permethrin and petroleum naphtha), <i>Hazard Class</i> - 3, UN/ID Number - UN1993, PG - III, <i>DOT Label</i> - Limited Quantity, FLAMMABLE LIQUID	BX	D	180.62	6840-01-334-2666

All DoD personnel following label and MSDS familiarization may apply the following repellents.				
Insect Repellent, Clothing Application, Aerosol, Permethrin Arthropod Repellent, (12) 6-oz cans, <i>Proper Shipping Name</i> – AEROSOLS, NON -FLAMMABLE, N.O.S. (contains insecticide - permethrin, each not exceeding 1L capacity), <i>Hazard Class</i> 2.2, UN/ID Number – UN1950, PG – III, <i>D.O.T Label</i> –NONFLAMMABLE GAS	BX	D	37.20	6840-01-278-1336
Insect Repellent, Personal Application, 3M, (12) 2-oz tubes, <i>Proper Shipping Name</i> - N/A (NOT DOT -regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	56.19	6840-01-284-3982
Insect Repellent, Clothing Application, Permethrin, IDA Kit, 12 kits per box, <i>Proper Shipping Name</i> – FLAMMABLE LIQUID, N.O.S. (contains insecticide – permethrin and petroleum naphtha), <i>Hazard Class</i> - 3, UN/ID Number – UN1993, PG - III, <i>DOT Label</i> - Limited Quantity, FLAMMABLE LIQUID	BX	D	46.58	6840-01-345-0237

3. INSECTICIDES				
The following insecticides must be applied by a DoD certified pesticide applicator or under the direct supervision of a DoD Certified pesticide applicator.				
NOMENCLATURE	U/I	AAC	Price	NSN
Insecticide, Carbaryl, 5% Dust, Sevin, (12) 4-lb bags, <i>Proper Shipping Name</i> – CARBAMATE PESTICIDES, SOLID, TOXIC, N.O.S. (contains insecticide – Carbaryl), <i>Hazard Class</i> -6.1, UN/ID Number – UN2757, PG III, <i>DOT Label</i> –KEEP AWAY FROM FOOD	BX	D	156.17	6840-01-033-4481
Insecticide, Cyfluthrin, Tempo SC ULTRA , (12) 240-ml bottles per box, <i>Proper Shipping Name</i> – PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S. (contains insecticide – Cyfluthrin and xylene and cyclohexanone), <i>Hazard Class</i> - 6.1, UN/ID Number - UN2903, PG - III, <i>DOT Label</i> – KEEP AWAY FROM FOOD, FLAMMABLE LIQUID	BX	D	415.49	6840-01-313-7359
Insecticide, Cyfluthrin, Tempo 20WP, (288) 9.5g packs, <i>Proper Shipping Name</i> – N/A (NOT DOT -regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> -N/A	BX	D	494.66	6840-01-383-6251
Insecticide, Cypermethrin, Demon WP, 1-lb jar, <i>Proper Shipping Name</i> – N/A (NOT DOT -regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> -N/A	LB	D	67.34	6840-01-390-4822

NOMENCLATURE	U/I	AAC	Price	NSN
Insecticide, Deltamethrin, Delta Dust, 1-lb container, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> -N/A	LB	D	11.11	6840-01-431-3345
Insecticide, Dichlorvos (DDVP), 20%, Plastic Strip, box of 48, <i>Proper Shipping Name</i> - N/A (NOT DOT regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> -N/A	BX	D	175.29	6840-00-142-9438
Insecticide, Methoprene, Altosid XR Briquettes, 220 briquettes/Box, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	717.22	6840-01-424-2495
Insecticide, Methoprene, Altosid SR 20 Liquid Larvacide, (2) 2.5 -gal co/BX, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	J	6333.04	6840-01-424-2493
Insecticide, Naled, 87.4%, Dibrom, Liquid, 30-gal drum, <i>Proper Shipping Name</i> - CORROSIVE LIQUID, POISONOUS, N.O.S. (contains insecticide - Naled), <i>Hazard Class</i> - 8, UN/ID Number - UN2922, PG - III, <i>DOT Label</i> - CORROSIVE, POISON	DR	J	3452.30	6840-01-270-9765 OPERATIONAL NOTE: FOR USE IN U.S. AIR FORCE AERIAL SPRAY SYSTEMS ONLY
Insecticide, Sumithrin-Piperonyl Butoxide (10%-10%), Anvil 10+10 ULV, (2) 2.5-gal co/BX	BX	Z	800.00	6840-01-474-7751
Insecticide, Sumithrin-Piperonyl Butoxide, (10%-10%), Anvil 10+10 ULV, 250 gal mini-bulk container	CO	D	37087.50	6840-01-474-7706
Insecticide Pyrethrins, 3% pyrethrins with synergists, liquid, ULV Fog Concentrate, 1-gal can, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	GL	D	94.31	6840-01-104-0780

NOMENCLATURE	U/I	AAC	Price	NSN
Insecticide, Resmethrin, Scourge, 5-gal can, <i>Proper Shipping Name</i> - N/A (NOT DOT regulated), <i>Hazard Class</i> - N/A, UN/ID # N/A, PG - N/A, <i>DOT Label</i> - N/A RESTRICTED USE PESTICIDE	CN	D	382.13	6840-01-359-8533
Insecticide, Temephos, Abate 4E, 2.5-gal cont., <i>Proper Shipping Name</i> - N/A (NOT DOT regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CO	J	827.95	6840-01-424-3132
The following insecticides must be applied by trained personnel or a DoD certified pesticide applicator.				
Insecticide, Bacillus thuringiensis, 10%, Bactimos Briquets, 100 briquettes per box, <i>Proper Shipping Name</i> - N/A (Not DOT regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	70.50	6840-01-377-7049
Insecticide, Lambda-cyhalothrin, Demand Pestab, 40 tablets/bottle, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CO	D	81.35	6840-01-431-3357
Insecticide, Fly Bait, 1% methomyl (Apache/Golden Malrin/Stimukill) 5 lb. can, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CN	D	17.60	6840-01-183-7244
All DoD personnel following label and MSDS familiarization may apply the following insecticides.				
Insecticide, d-Phenothrin, 2% Aerosol, 12 Oz can, <i>Proper Shipping Name</i> - AEROSOLS, NONFLAMMABLE, N.O.S., (containing substances in Division 6.1), PG III, <i>Hazard Class</i> - 2.2, UN/ID Number - UN1950, PG -III, <i>DOT Label</i> - NONFLAMMABLE GAS	CN	D	6.20	6840-01-412-4634
Insecticide, Pyrethrins, allethrin, d-phenothrin, aerosol, (12) 12-oz cans (Wasp Freeze /Wasp Stopper II Plus), <i>Proper Shipping Name</i> - CONSUMER COMMODITY, <i>Hazard Class</i> - ORM-D, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	60.69	6840-00-459-2443

4. RODENTICIDES				
The following rodenticides must be applied by trained personnel or a DoD certified pesticide applicator.				
NOMENCLATURE	U/I	AAC	Price	NSN
Rodenticidal Bait, Anticoagulant, 0.005% diphacinone, 40 blocks/box, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	48.74	6840-00-089-4664
Rodenticidal Bait, Anticoagulant, 0.005-0.0055% diphacinone or 0.025-0.028% Warfarin Pellets 5-lb can, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CN	V	9.91	6840-00-753-4973
Rodenticidal Bait, Anticoagulant, 0.005% Bromadiolone (Maki) pellets, 11-lb can, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CN	D	27.98	6840-01-151-4884
Rodenticidal Bait, Anticoagulant, Brodifacoum (0.005%) Talon G, pellets, 11-lb can, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	CN	D	43.34	6840-01-426-4808
Rodenticidal Bait, Anticoagulant, concentrate 0.05-0.055% diphacinone or 0.33% pindone or 0.05-0.055% 2-solvalery-1, 3- indandione, 50 POUCHES/BOX, <i>Proper Shipping Name</i> - N/A (NOT DOT-regulated), <i>Hazard Class</i> - N/A, UN/ID Number - N/A, PG - N/A, <i>DOT Label</i> - N/A	BX	D	233.84	6840-00-753-4972

***ACQUISITION ADVICE CODES (AAC)**

Code D. DoD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.

1. The item is centrally managed, stocked, and issued.
2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.

Code H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract # (non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.

1. The item is centrally managed and procured.
2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order quantity may be issued from stock by ICP or IMM supply distribution facilities.

3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer required delivery time frame.

Code J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

Code L. LOCAL PURCHASE. IMM/Military Service-managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.

****Price.**

Prices listed in paragraph E, above, are as of March 1, 2002 and are subject to change. Prices are provided as a reference benchmark.

Emergency Procurement of Pesticides and Pest Management Equipment.

1. Deploying and/or deployed forces often need pesticides and pest management equipment on short notice. The Defense Logistics Agency has established Emergency Supply Operations Centers (ESOCs) to help meet these needs.
2. For emergency procurement of pesticides, including repellents and pest management equipment, pesticide application equipment, etc.: Contact the Defense Supply Center Richmond (DSCR) Emergency Supply Operations Center (ESOC) at DSN 695-4865 [Commercial (804) 279-4865]. The Richmond ESOC is staffed 24 hours, 7 days a week.
3. For technical logistical inquiries or emergency procurement of pesticides, repellents, equipment and all chemicals, contact the DSCR Chemist at DSN 695-3995 or commercial at (804) 279-3995 during normal duty hours [0730-1630 hrs eastern standard time (EST)] or via pager number 1-888-824-4030, available 24 hours, 7 days a week. Fax number is 1-804-279-3653.
4. For personal protection equipment (bednets, headnets, respirators, etc.): Contact the Defense Supply Center Philadelphia ESOC Customer Assistance Branch at DSN 444-3041/3042/3043 or Commercial at (215) 737-3041/3042/3043. The Philadelphia ESOC is staffed 0630-1700 hours Monday through Friday, EST.

G. Armed Forces Pest Management Board (AFPMB) Technical Information Memorandum (TIM) 24, "Contingency Pest Management Pocket Guide."

1. This TIM is intended for field use during exercises and contingency operations by deployed forces. It provides basic information on using pesticides and pest management equipment to control disease vectors and pests during field operations worldwide.

2. Most of the pesticides listed in paragraph E., above, and addressed in AFPMB TIM 24, should only be applied by preventive medicine personnel or pest control personnel who have been formally trained and certified in accordance with DoD 4150.7-P, "The DoD Plan for the Certification of Pesticide Applicators," September 30, 1996. All other personnel should not procure or use pesticides unless specifically authorized by Service instructions, regulations, or directives.

3. You may obtain copies of TIM 24 and other AFPMB publications by writing to: The Defense Pest Management Information and Analysis Center, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or calling DSN 295-7479 or commercial (301) 295-7479. You may also electronically access AFPMB publications via the AFPMB home page: <http://www-afpmb.acq.osd.mil>

4. If additional information is needed to clarify specific issues, contact the AFPMB, Contingency Liaison Officer by writing to AFPMB, ATTN: Contingency Liaison Officer, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or calling DSN 295-7476 or commercial (301) 295-7476.